



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

EARTH RESOURCES SURVEY PROGRAM

Contribution No. 253, Bureau of Commercial Fisheries  
Biological Laboratory

AN INDEX OF OCEAN FEATURES  
PHOTOGRAPHED FROM GEMINI SPACECRAFT

By

Robert E. Stevenson

and

Ruth M. Nelson

January 1968

Prepared by Department of Interior, Bureau of Commercial  
Fisheries, Galveston, Texas for the National Aeronautics  
and Space Administration under Contract N 62306-67-D-0123

MANNED SPACECRAFT CENTER  
HOUSTON, TEXAS

GC  
61  
58  
1968

1479-AA  
Atlas  
Shelf

1990-1991  
1991-1992



1479-AA  
Atlas Shelf

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Department of Interior

Bureau of Commercial Fisheries

Galveston, Texas

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## INTRODUCTION

The 575 photographs listed in this Index are cross-referenced as to (1) Gemini Flights, (2) Oceanographic Features, and (3) Geographic Locations. No listings for flights III and VI were made because none of the photographs taken showed significant oceanographic features.

The photograph numbers in the Index listings are those used in the Bureau of Commercial Fisheries (BCF) file at Galveston. Numbers and dates of the photographs with oceanographic features are not necessarily consecutive since the selections for the Index were made from a file of more than 700 photographs. We have used the BCF numbers to avoid a burdensome repetition of the much longer numbers of the National Aeronautics and Space Administration's Photographic Laboratory at the Manned Spacecraft Center, Houston, Texas. The NASA/MSC color and black and white photograph numbers that correspond to the BCF catalog numbers are listed in the last section of the Index. Should any photographs be ordered, the NASA/MSC color or black and white number must be noted for the type of photograph required. Orders may be addressed to:

National Space Science Data Center  
Goddard Space Flight Center  
Code 601  
Greenbelt, Maryland 20771

Technology Applications Center  
University of New Mexico  
Albuquerque, New Mexico 87106

Creative Arts Studio, Inc.  
814 H Street, N. W.  
Washington, D. C. 20001

### Oceanographic Features

The Index categories of Gemini Flights and Geographic Locations are self-explanatory, however, some comments are needed regarding the oceanographic features.

Phenomena have been listed which are obvious and useful to the BCF interpretative studies. The individual features are not totally inclusive. For example, barrier islands, sand bars, and sand spits are in Coastal Deposits. Turbid water, from whatever cause, is included in Coastal Sediments, except for those photographs in which the Discolored Water seemed to be from factors other than suspended sediments. Lagoons are "coastal lagoons" and Calcareous Reefs include atolls.

Photographs from which the current directions and patterns can be evaluated for the instant the photograph was taken are listed under the category of Currents. Features indicating currents may be (1) turbid water, (2) slicks, (3) bow, or shock waves around islands, or (4) island wakes. The



latter two differ significantly and have therefore been listed under separate categories.

Local Winds are noted by the distribution of clouds, usually along coasts and usually depicting the land and sea breeze regimes.

Reflection of the sun from the sea surface has been photographed and is listed under Sun Glitter. Many of these photographs show amazing features within the area of the sun's reflection; currents, current shears, eddies, upwelling, and water-mass boundaries are some examples.

The largest category is Clouds, which is not surprising, for the direct relationship between the sea and the tropical marine atmosphere is made clear from many spectacular examples in the Gemini photographs. Consequently, we have listed a number of cloud types, arrangements, and patterns, some of which require an explanation.

Cloud Lines are usually cumulus and in a linear arrangement, dictated by some local condition. Where cloud lines clearly form as a Convergence, they are listed again under that category.

Bénard Cells are oceanic cumulus clouds arranged in polygonal cells. The use of Bénard's name is purely a convenience and implies no origination.



Von Kármán Eddies are counter-rotating cloud arrangements downwind from islands. As with Bēnard, use of von Kármán's name is a convenient identification of the phenomenon.

Bow Waves are the cloud distribution patterns resulting from the clouds passing close to an island and are similar to waves produced from the bow of a ship.

Contrails are the distinct linear cloudlike features frequently formed behind aircraft.

The standard 8 x 10 inch, black and white photograph has proven useful for distinguishing most features, however, the color photograph is imperative for sun glitter, turbid water, or underwater structure feature definition. Color and black and white prints both are suitable for casual inspection and interpretation. Contact transparencies of the 70-mm film are used for more detailed examination. These transparencies can be viewed satisfactorily using a binocular microscope magnifying up to about 15 diameters.

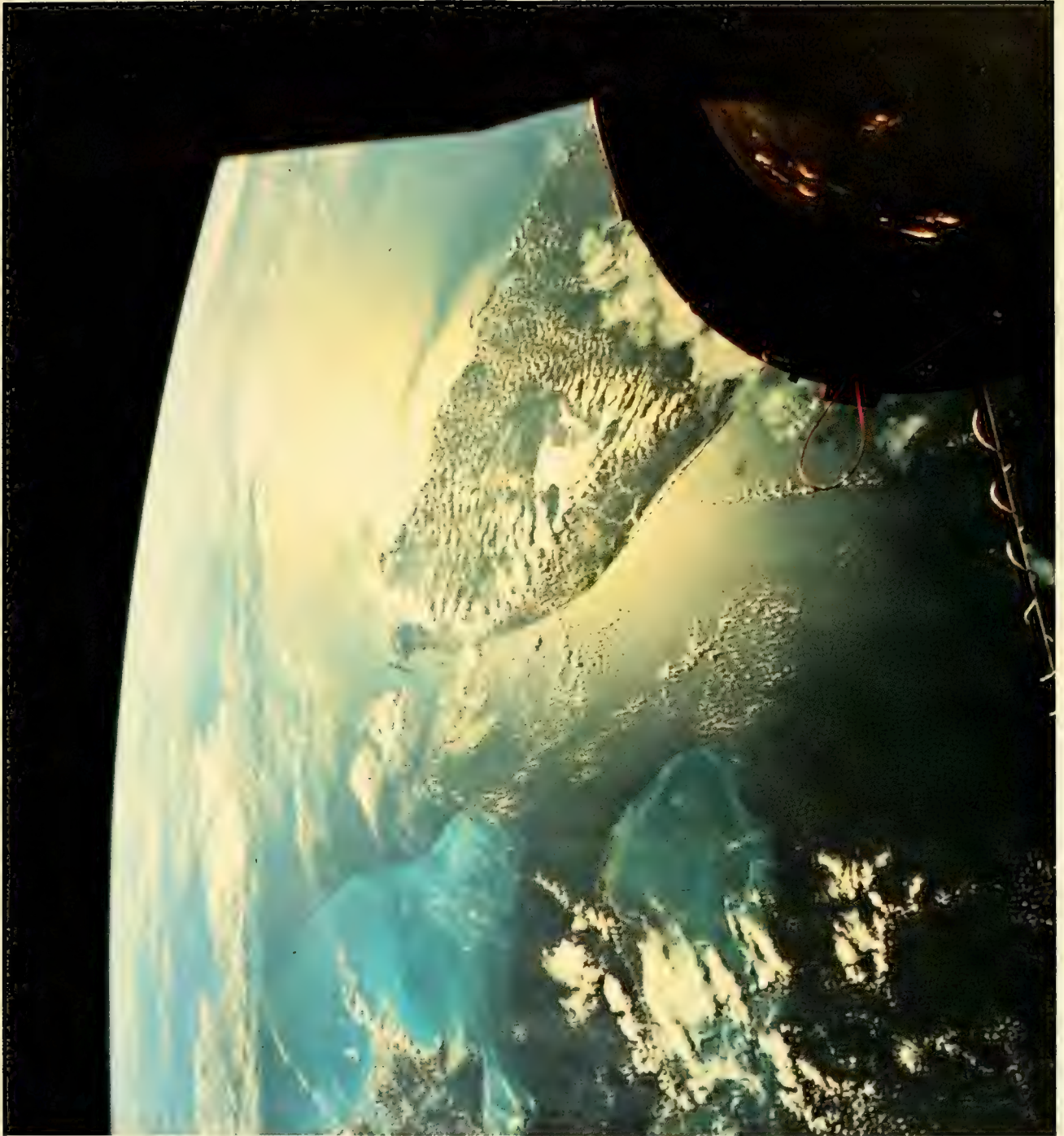
A photograph depicting oceanographic features is included in Section I of this Index for each of the Gemini flights and may be found

preceeding the actual listing of photographs for that flight.

These photographs were taken with a slightly modified, hand-held Hasselblad 500 C camera.







GEMINI XII NOVEMBER 12, 1966  
CAPT. JAMES A. LOVELL, JR., LT. COL. EDWIN E. ALDRIN, JR.  
SOUTH FLORIDA, FLORIDA KEYS, WESTERN BAHAMA ISLANDS, CUBA,  
AND PARTS OF THE GULF OF MEXICO AND CARRIBEAN SEA.



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#### IV LISTING OF NASA/MSC COLOR AND BLACK & WHITE PHOTO NUMBERS

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# I DIVISION OF PHOTOGRAPHY BY FLIGHT





GEMINI IV JUNE 4, 1965  
LT. COL. JAMES A. McDIVITT, LT. COL. EDWARD H. WHITE  
ACKLINS AND CROOKED ISLANDS, BAHAMA ISLANDS.





GEMINI IV

June 3-7, 1965

Major James A. McDivitt - Major Edward H. White

Apogee: 175 miles

Perigee: 100 miles

Camera: Hasselblad Model 500 C (NASA modified)

Lens: Zeiss Planar, 80-mm F. L.; f-28

Film: Format - 55 x 55-mm; width - 70-mm

Film Type: Eastman Kodak Ektachrome MS (S.O., 217)



<u>SLIDE NO.</u>	<u>DATE</u>	<u>TIME*</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
1	6/4/65	17:55	Nile Delta, Egypt, Suez Canal, Israel, Jordan, Syria, Saudi Arabia, Iraq	Delta
3		28:28	Florida Keys, Cape Sable, Florida Bays, Everglades	Coastal calcareous reefs, coastal sediments, coastal currents, sun glitter
4		28:29	Florida Straits, Grand Bahama Banks	Sun glitter, calcareous reefs
5		28:29	Andros Island, Bahamas	Sun glitter, calcareous reefs
6		28:30	Great Exuma Island, Bahamas	Calcareous reefs, cloud lines, oceanic cumulus
7		28:30	Acklins & Crooked Island, Bahamas	Sun glitter, calcareous reefs, cloudlines
8		--	Atlantic Ocean	Oceanic cumulus
9		--	Atlantic Ocean	Bénard cells, cloud lines
10		--	Indian Ocean	Oceanic cumulus
19		16:22	Nile Delta, Egypt	Delta
20	6/3/65	14:53	Persian Gulf, Iran coast -- looking west	Coastline, coastal reefs
22		14:48	Egypt, Red Sea, Foul Bay	Coastal reefs, white caps

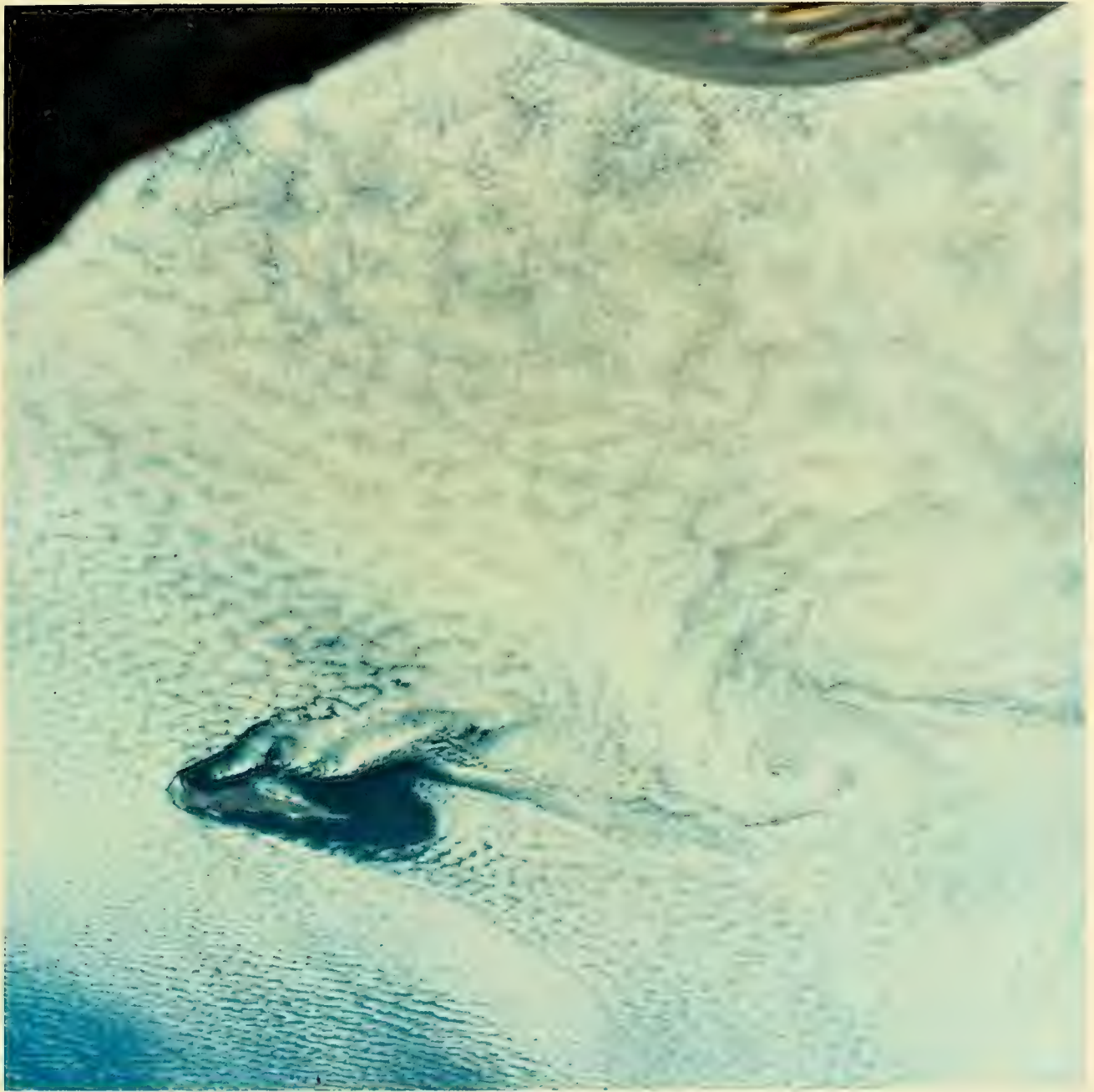
\*Ground Elapsed Time (Lift Off: 1515 Zulu)

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
23	6/3/65	13:20	Sultanate of Muscat and Oman, Ras Al Hadd	Coastal sediment, strong surf
24		13:16	Aden Protectorate, Gulf of Aden, Ras Asir, Somali	Coastline, coastal stratus clouds
25		13:16	Aden Protectorate, Gulf of Aden, Wadi Hadramawt	Coastline, coastal stratus clouds, ancient city of Shibam
26		13:15	Aden Protectorate, Gulf of Aden -- looking south	Coastline, stratus clouds
27		13:15	Aden Protectorate, Gulf of Aden, Yemen, Somali	Coastal deposition
667	6/4/65	50:26	Gulf of California, Baja California, mouth of Colorado River	Delta, discolored water, coastal sediments, coastal deposits, irregular coastline
668		50:26	Gulf of California, Baja California, mouth of Colorado River	Delta, discolored water, coastal sediments, coastal deposits, irregular coastline
669		50:26	Gulf of California, Baja California, mouth of Colorado River	Delta, discolored water, coastal sediments, coastal deposits, irregular coastline
670		50:27	Baja California, Colorado River	Delta, discolored water, coastal sediments, coastal deposits, irregular coastline

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
675	6/5/65	50:34	Atlantic Ocean, Florida, Jacksonville, San Augustine	Local winds, lagoon, cumulus, surf
676		50:35	Atlantic Ocean, Florida, Cape Kennedy	Local winds, lagoon, currents, discolored water, cumulus, cloud lines
677		50:35	Atlantic Ocean, Florida, Cape Kennedy	Local winds, lagoon, currents, discolored water, cumulus, cloud lines
678		50:35	Atlantic Ocean, Florida, Cape Kennedy	Local winds, lagoon, currents, discolored water, cumulus, cloud lines
679		50:37	Bahama Islands, Cuba	Calcareous reefs, cumulus. cloud lines, cumulonimbus, upper- level clouds
680	6/6/65	70:00	Indian Ocean, Somali coast	Coastal sediments, currents, surf, coastal deposits, cumulus







GEMINI V AUGUST 21, 1965  
COL. L. GORDON COOPER, JR., CDR. CHARLES CONRAD, JR.  
BAJA CALIFORNIA COASTAL AREA WITH GUADALUPE ISLAND  
PROJECTING THROUGH CLOUDS.



GEMINI V

August 21-29, 1965

Lt. Col. L. G. Cooper - Cdr. Charles Conrad, Jr.

Apogee: 215 miles

Perigee: 100 miles

Camera: Hasselblad, Model 500 C (NASA modified)

Lens: Zeiss Planar, 80-mm F. L.; f-2.8

Film: Eastman Kodak, Ektachrome MS (S. O., 217)

General Aniline & Film, Anscochrome, D-50





<u>SLIDE</u>	<u>DATE</u>	<u>TIME*</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
28	8/22/65	0937	Alexandria, Egypt, Nile Delta	Coastal deposition, coastal sediment
29		1238	Morocco, Ras Rhir, Agadir	Heavy surf, coastal sediments
30		1238	Morocco, Ras Rhir, Agadir -- looking northwest	Heavy surf, coastal sediments, Bénard cells
31		1527	Texas to Tamaulipas coast, Gulf of Mexico	Bénard cells, oceanic cumulus, local winds
32		1531	Florida -- looking south	Bénard cells, oceanic cumulus, local winds
37		1707	Florida, Cape Kennedy -- looking south	Bénard cells, oceanic cumulus, local winds
38		1707	Florida, Cape Kennedy -- looking south	Bénard cells, oceanic cumulus, local winds
39		1838	Florida, Cape Kennedy -- looking north	Bénard cells, oceanic cumulus, local winds
40		1838	Florida, Miami -- looking north, Florida Keys	Bénard cells, oceanic cumulus, local winds, calcareous reefs, coastal sediments
41		1838	Florida, Miami -- looking north, Florida Keys	Bénard cells, oceanic cumulus, local winds, calcareous reefs, coastal sediments

\* Greenwich mean time

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
42	8/22/65	1839	Bahama Islands, Andros Island	Bénard cells, oceanic cumulus, local winds, calcareous reefs, coastal sediments
43		1839	Great Bahama Bank, Great Exuma, Cat, and Long Islands	Oceanic cumulus, Bénard cells, cloudlines, calcareous reefs
44		1839	Bahama Islands, Crooked, Acklins, and Long Islands	Oceanic cumulus, Bénard cells, cloudlines, calcareous reefs
45		1840	Bahama Islands, Grand Turk, Caicos Group	Oceanic cumulus, Bénard cells, cloud lines, calcareous reefs
46		2004	Mexico, Baja California -- looking southeast	Coastline, stratus clouds
47		2004	Mexico, Baja California -- looking southeast	Irregular coastline, sun glitter, cloud lines
48		2009	Mexico, Campeche, Laguna de Terminos, Gulf of Mexico	Coastal sediments, coastal deposits, local winds
49		2009	British Honduras, Gulf of Honduras	Calcareous reefs
50	8/23/65	0158	China, Mouth of Yangtse River	Coastal sediments
51		0159	Japan, Honshu, Osaka, Nagoya -- looking northwest	Coastal sediments
52		0505	Taiwan -- looking east	Coastal sediments
53		0929	Egypt, Cairo, Nile Delta	Delta

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
54	8/23/65	1826	Florida -- looking north, Florida Keys	Cloud lines, Bénard cells, oceanic cumulus, coastal sediments
55		1827	Cuba -- looking northwest	Bénard cells, calcareous reefs
56		1827	Cuba -- looking northwest	Bénard cells, calcareous reefs
57		1828	Cuba -- looking northwest, Oriente Province, Guantanamo Bay	Bénard cells, calcareous reefs
58		1958	Mexico, Gulf of California	Coastal cloud eddy
59		2001	Gulf of Mexico, Texas-Mexico coast	Coastal deposits, cloud lines, Bénard cells
60	8/27/65	0131	Pacific Ocean, Marshall Islands, Bikini Atoll	Bénard cells, calcareous reefs, sun glitter
61		0131	Pacific Ocean, Marshall Islands, Rongelap Atoll, Ailinginae Atoll	Bénard cells, calcareous reefs, sun glitter
62		0525	Mediterranean Sea, Crete, Rhodes, Turkey, Aegean Islands	Island clusters, cloud lines
63		0526	Mediterranean Sea, Cyprus, Turkey	Irregular coastline, cloud lines
64		0526	Mediterranean Sea, Cyprus, Turkey, Syria	Irregular coastline, cloud lines
65		0612	Australia, Gulf of Carpentaria	Local winds, coastal sediments



<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
66	8/27/65	0612	Australia, Gulf of Carpenteria, Queensland	Local winds, coastal sediments
67		0614	Australia, Shoal Water Bay, Cape Manifold	Local winds, coastal sediments
68		0615	Australia, Keppel Bay, Capricorn Island	Coastal sediments, calcareous reefs
69		0658	Libya, Tripoli, Mediterranean Sea	Coastal sediments
70		0710	Red Sea, Saudi Arabia	Coastal sediments, calcareous reefs
71		1207	Indian Ocean, Mozambique coast	Cloud lines, coastal sediments, calcareous reefs
72		1210	Indian Ocean, Malagasy, Madagascar west coast	Coastal sediments
73		1510	Atlantic Ocean, Africa, Cape Cross north of Walvis Bay	Coastal sediments, surf
74		1510	Port of Walvis Bay, Africa restricted diamond area	Coastal sediments, surf
75		1554	Gulf of Mexico, Texas coast	Bénard cells, local winds
76		1743	Gulf of California, Baja California	Irregular coastline
77		1743	Gulf of California, Baja California	Irregular coastline
78		1749	Honduras, Nicaragua Pacific coast, Gulf of Fonseca	Coastal sediments

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
79	8/28/65	1404	Florida, east coast, Cape Kennedy	Local winds, coastal currents, coastal sediments
81	8/21/65	1703	Gulf of California, Baja California, Mexico	Coastal stratus
82		1712	Florida -- looking south	Oceanic cumulus, cloud lines, local winds
83		1717	Atlantic Ocean southeast of Bermuda	Oceanic cumulus
84		1718	Atlantic Ocean southeast of Bermuda	Oceanic cumulus, Bénard cells
86		1851	Caribbean Sea, Hispaniola	Cloud lines, Bénard cells, coastal sediments
87		1855	Atlantic Ocean east of Lesser Antilles	Cloud lines, Bénard cells
88		1856	Atlantic Ocean east of Lesser Antilles	Bénard cells, oceanic cumulus
89		1856	Atlantic Ocean, Brazil, French Guiana, Dutch Guiana	Coastal sediments, Bénard cells, tropical storm
90		1857	Atlantic Ocean, Brazil, French Guiana	Coastal sediments, Bénard cells, tropical storm (hurricane Betsy)
91		2004	Pacific Ocean near Wake Island	Bénard cells, sun glitter
92		2005	Pacific Ocean north of Hawaii	Bénard cells
93		2012	Pacific Ocean, California, San Luis Obispo, south to Ensenada	Coastal strato-cumulus, smog

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
94	8/21/65	2014	Pacific Ocean, Guadalupe Island, Baja California, Vizcaino Bay	Coastal strato-cumulus, cloud bow wave, von Kármán eddies
95		2014	Pacific Ocean, Guadalupe Island, Baja California	Strato-cumulus, cloud bow wave Bénard cells, von Kármán eddies
96		2015	Pacific Ocean, Baja California, Scammon Lagoon	Coastal strato-cumulus, lagoon, coastal sediments
97		2015	Baja California, Gulf of California, Angel de la Guarda Island	Sun glitter, discolored water
98		2015	Gulf of California, Mexico, Tiburon Island, Baja California	Coastal sediments, discolored water
99		2015	Gulf of California, Mexico, Tiburon Island, Baja California	Coastal strato-cumulus, coastal sediments, coastal deposits, sun glitter, discolored water, irregular coastline
100		2016	Gulf of California, Baja California, Mexico, Colorado River	Coastal sediments, Colorado River delta
101		2021	Caribbean Sea, Gulf of Honduras, Honduras, British Honduras, Yucatan	Calcareous reefs
102		2022	Caribbean Sea, Honduras, Cape Gracias A Dios, Nicaragua	Coastal sediments
103	8/22/65	0055	Philippines, north end of Luzon	Coastal sediments, stream discharge
104		0055	Philippines, north end of Luzon	Coastal sediments, cloud lines

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
107	8/22/65	0649	China, Kwangtung-Kwangsi Provinces, Gulf of Tonkin, Leiuchou Peninsula	Coastal sediments, coastal deposits
108		0651	Pacific Ocean, west coast of Luzon, Linguyan Gulf	Coastal sediments
109		0756	Pacific Ocean, southeast Luzon	Irregular coastline, coastal deposits
110	8/24/65	0749	Arabian Sea, Gulf of Kutch, India	Coastal sediments
111		0804	North coast of Australia, Wessel Islands	Coastal sediments, coastal deposits, cumulus
112		0913	Mediterranean Sea, Algeria, Balearic Islands, Spain	Cloud lines
113		0920	Mediterranean Sea, Egypt, Nile Delta, Suez Canal, Cairo, Nile River	Coastal sediments, delta
114		0920	Mediterranean Sea, Egypt, Suez Canal	Coastal deposits
115		0921	Red Sea, Egypt, Saudi Arabia	Irregular coastline, calcareous reefs, discolored water
116		1336	Gulf of Mexico, Alabama, Florida	Bénard cells, cloud lines, coastal deposits, barrier islands
118	8/25/65	0446	China, Kwangtung Province, Hong Kong-Macao area	Coastal sediments



<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
120	8/25/65	1637	Florida -- looking southeast	Bénard cells, cloud lines, local winds, coastal deposits
121		1639	Cuba, Grand Bahama Bank	Calcareous reefs, local winds
122		1639	Bahama Islands, Great Exuma and Long Islands	Calcareous reefs
123		1640	Caribbean Sea, Cuba, Hispaniola, Jamaica, Great Inagua	Cloud lines, calcareous reefs
124		1803	Pacific Ocean, California coastline, Los Angeles, Salton Sea	Bénard cells, cloud lines, strato-cumulus, smog
125		1811	Gulf of Mexico, Mexico, Yucatan	Coastal deposits, calcareous reefs, Bénard cells
126		1812	Caribbean Sea, Yucatan Peninsula, British Honduras	Oceanic cumulus, local winds
127		1814	Caribbean Sea, Honduras, Nicaragua	Coastal sediments, Bénard cells, calcareous reefs
128		2359	Japan, Ise Wan, Port of Nagoya, Osaka	Local winds, lagoon
129		2359	Japan, Ise Wan, Port of Nagoya, Osaka	Local winds, lagoon
130	8/26/65	0303	China coast, Fukien Province, mouth of Futun-Min River, Fouchou City	Sun glitter, coastal sediments, coastal currents, island wakes
131		0624	Australia, Cape York Peninsula	Calcareous reefs, coastal sediments

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
132	8/26/65	0624	Australia, Cape York Peninsula	Coastal sediments, coastal deposits
133		0625	Australia, Cape York Peninsula	Coastal sediments, coastal deposits
135		0729	Mediterranean Sea, Crete, looking north	Island clusters
136		0731	Persian Gulf, Saudi Arabia	Coastal sediments, coastal deposits, calcareous reefs
137		1025	Atlantic Ocean, Morocco, Ras Rhir, Agadir	Irregular coastline, coastal deposits, sun glitter, currents
138		1025	Atlantic Ocean, Morocco, Spanish Ifni	Coastal cloud eddy, surf
139		1334	Atlantic Ocean, Cape Verde Islands, Boa Vista, Sal, Maio, Sao Tiago	Bénard cells, cloud lines
140		1334	Atlantic Ocean, Cape Verde Islands, Sao Nico Lau, Santo Antao, Fogo	Strato-cumulus, coastal cloud eddies
685	8/24/65	2248	Pacific Ocean, Island of Hawaii	Local winds, surf, cloud lines, Bénard cells, discolored water
686		2248	Pacific Ocean, Hawaiian Islands, Maui, Kahoolawe, Molokai, Oahu, Kauai	Local winds, surf, cloud lines, Bénard cells, discolored water

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
687	8/27/65	1215	Indian Ocean southeast of Madagascar	Cumulus, stratus, cloud eddies, von Kármán eddies
688	8/21/65	1702	Pacific Ocean off coast of Baja California	Cumulus, stratus, cloud eddies, von Kármán eddies
689		1703	Pacific Ocean, Guadalupe Island, Isla Cedros	Cumulus, stratus, cloud eddies, von Kármán eddies
692	8/23/65	2143	Southern Mexico	Stratus, Bénard cells, wind shear in clouds



GEMINI VII DECEMBER 8, 1965  
COL. FRANK BORMAN, CAPT. JAMES A. LOVELL, JR.  
NILE DELTA, EGYPT, SUEZ CANAL AND PARTS OF ISRAEL, SYRIA,  
JORDAN, LEBANON, TURKEY AND THE ISLAND OF CYPRUS.





GEMINI VII

December 4-8, 1965

Lt. Col. Frank Borman - Cdr. James A. Lovell, Jr.

Apogee: 174 miles

Perigee: 120 miles

Camera: Hasselblad, Model 500 C (NASA modified)

Lens: Zeiss, Planar, 80-mm F. L.; f-2.8

Zeiss, Sonnar, 250-mm F. L.; f-4.5

Film: Eastman Kodak, Ektachrome, MS (S.O., 217)



# OCEANOGRAPHIC FEATURES

## LOCATION

## TIME\*

## DATE

## SLIDE

141**	12/8/65	88:25	Mediterranean Sea, Libya, Gulf of Sirte	Coastal sediments
142		88:25	Mediterranean Sea, Nile Delta, Sinai, Israel, Syria, Jordan, Lebanon, Turkey, Cyprus, Iraq, Suez Canal	Coastal deposits, delta, cloud lines
143**		88:25	Mediterranean Sea, Dead Sea, Israel, Jordan, Lebanon, Egypt	Coastal deposits, cloud lines
145		89:28	Caribbean Sea, Leeward Islands, Guadeloupe, Antigua, Marie Galante, Montserrat	Surf, cloud lines
146		91:10	Bahamas, Crooked, Long, Mayaguana Islands	Calcareous reefs
147		91:10	Bahama Islands, Mayaguana, Plana Cays	Calcareous reefs
148**		92:44	Florida Keys	Calcareous reefs
149**		92:44	Florida Keys	Calcareous reefs
150**		92:44	Florida Keys	Calcareous reefs
151**		97:16	Pacific Ocean, Guadalupe Island, Baja California	Surf, cloud lines
152**		97:16	Pacific Ocean, Cedros Island, Baja California, Punta Eugenia	Coastal lagoon, coastal deposits**

\* Ground elapsed time (Lift Off: 19:30 Zulu)

\*\* Fogged window

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
162	12/5/65	20:30	Pacific Ocean, Auamotu Archipelago, Rangiroa, Arutua, Apataki, Toau, Kaukura Fakarua	Calcareous reefs
163		20:49	Caribbean Sea, Cuba, Guantanamo Bay, Santiago	Sun glitter, currents, cloud lines, coastal deposits
164		22:24	Bahama Islands, Andros, Berry, New Providence	Calcareous reefs
165		23:58	Atlantic Ocean, Florida, Georgia	Coastal deposits
166		25:26	Pacific Ocean, Baja California, Scammon Lagoon, Punta Eugenia	Irregular coastline, lagoon
167	12/6/65	45:31	Gulf of Mexico, Mexico	Coastal sediments, surf, coastal deposits
168		46:20	Atlantic Ocean, Florida, St. Augustine to Ft. Pierce	Coastal deposits, cloud lines
169		46:20	Atlantic Ocean, Florida, Titusville to north of Daytona Beach	Coastal deposits, coastal currents
170**		46:20	Atlantic Ocean, Florida, Merritt Island, Cape Kennedy	Coastal deposits
171		46:20	Atlantic Ocean, Florida, Merritt Island to Daytona Beach	Coastal deposits
172		47:54	Bahama Islands, south end of Andros	Cloud lines, calcareous reefs
173		49:24	Gulf of Mexico, Mexico	Coastal deposits

\*\* Fogged window

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
176	12/9/65	122:32	Pacific Ocean, Hawaiian Islands, Kure, Midway, Pearl and Hermes Reef	Calcareous reefs, atolls
177		122:32	Pacific Ocean, Hawaiian Islands, Pearl and Hermes Reef	Calcareous reefs, atolls
178	12/10/65	146:30	Caribbean Sea, Yucatan Peninsula, British Honduras	Coastal calcareous reefs
179	12/11/65	159:10	Bay of Bengal, India, Ceylon	Coastal sediments, coastal deposits, local winds, cloud lines
180		159:10	Bay of Bengal, India, Ceylon , Palk Straits	Coastal sediments, local winds, coastal deposits, cloud lines
181		159:10	Bay of Bengal, India, Ceylon, Palk Straits	Coastal sediments, cloud lines, coastal deposits, local winds
182		160:37	Indian Ocean, Somali, Ras Azir, Abd al Kuri Island, Gulf of Aden	Coastal deposits
183		163:22	Bahama Islands, Andros, Abaco, New Providence	Strato-cumulus, calcareous reefs
184		165:05	Atlantic Ocean, Senegal, Gambia, Cap Vert, Dakar	High-level cloud waves
185		167:58	Caribbean Sea, Venezuela, Isla de Margarita, Peninsula de Araya	Local winds, cumulus
186		169:35	Pacific Ocean, Mexico, Golfo and Istmo de Tehuantepec	Irregular coastline, lagoon

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
187	12/12/65	186:15	Indian Ocean, Somali, Gulf of Aden	Irregular coastline, cloud lines
188		186:15	Indian Ocean, Somali, Gulf of Aden	Irregular coastline, cloud lines
189		187:28	Atlantic Ocean, Florida, Cape Kennedy	Coastal deposits
190		187:28	Atlantic Ocean, Florida, Cape Kennedy	Coastal deposits, high-level clouds
191		189:00	--	Cloud lines, contrails
192		195:30	Bolivia, South America	High-level cloud waves, sunset
193**		192:13	Caribbean Sea, Honduras, El Salvador, Nicaragua, Pacific Ocean	Coastal sediments
194		192:16	Caribbean Sea, Columbia, Peninsula de la Guajira	Bénard cells, high-level clouds
195		192:16	Caribbean Sea, Venezuela, Columbia	Cloud lines, high-level clouds
196		192:22	Atlantic Ocean, mouth of Amazon River, Baia de Marajo	Coastal sediments, cloud lines, delta
197		192:22	Atlantic Ocean, mouth of Amazon River	Coastal sediments, cloud lines, delta
198		192:22	Atlantic Ocean, Amazon River mouth	Coastal sediments, cloud lines
199		192:23	Atlantic Ocean, Baia de Marajo, Brazil, mouth of Amazon River	Coastal sediments, cloud lines, delta

\*\* Fogged window



<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
200	12/13/65	208:42	Red Sea, Saudi Arabia, Sudan, Ethiopia	Coastal calcareous reefs, cloud lines, local winds
201		208:42	Red Sea, Saudi Arabia, Sudan, Ethiopia, Egypt	Coastal calcareous reefs, cloud lines, local winds
202		208:43	Red Sea, Saudi Arabia, Yemen, Ethiopia	Coastal calcareous reefs, cloud lines, local winds, sun glitter
205		208:44	Gulf of Aden, Aden Protectorate, ancient city of Shibam	Irregular coastline, coastal deposits
206		208:44	Gulf of Aden, Aden Protectorate	Coastal deposits
207		208:44	Gulf of Aden, Somali, Ras Azir, Ras Hafun	Cloud lines, coastal deposits
208		208:45	Indian Ocean, Socotra Island	Surf, sun glitter, cloud lines, currents
209		210:15	Indian Ocean, Somali coast	Coastal deposits
210		214:21	Florida Keys, Cape Sable	Coastal calcareous reefs, coastal sediments
211		214:22	Cuba, Great Bahama Bank	Coastal calcareous reefs
212		214:23	Cuba, Jardines de la Reina Island	Coastal calcareous reefs, local winds
213		214:24	Caribbean Sea, Hispaniola, Haiti	Irregular coastline, coastal sediments, cloud lines

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
214	12/13/65	214:24	Caribbean Sea, Hispaniola, Haiti, Dominican Republic	Irregular coastline, cloud lines, coastal sediments
215		214:27	Atlantic Ocean, British Guiana	Coastal sediments, local winds, coastal deposits



GEMINI IX JUNE 3, 1966  
COL. THOMAS P. STAFFORD, CDR. EUGENE A. CERNAN  
AN AGENA ROCKET WITH THE PLASTIC SHROUD PARTIALLY EJECTED,  
OVER THE COASTAL WATERS OF VENEZUELA, AND  
ISLAS LOS ROQUES AND ORCHILLA.



GEMINI IX

June 3-6, 1966

Lt. Col. Thomas P. Stafford - Lt. Cdr. Eugene A. Cernan

Apogee: 157 miles

Perigee: 146 miles

Camera: 1. Hasselblad, Model 500 C (NASA modified) -- (Slide Nos. 218-233.)  
2. Hasselblad, Super Wide Angle-C (NASA modified)  
3. J. A. Maurer, 70-mm Space Camera

Lens: 1. Zeiss, Planar, 80-mm F. L.; f-2.8  
2. Zeiss, Biogon, 38-mm F. L.; f-4.5  
3. Xenotar, 80-mm F. L.; f-2.8

Film: Eastman Kodak, Ektachrome, MS (S.O., 217)  
70-mm width, 55 x 55-mm format





<u>SLIDE</u>	<u>DATE</u>	<u>TIME*</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
218	6/3/66	1:36	Gulf of Mexico, mouth of Mississippi River, Mississippi, Louisiana	Coastal sediments, cloud lines, coastal deposits, delta
219		1:36	Gulf of Mexico, mouth of Mississippi River, Alabama, Florida	Coastal sediments, cloud lines, coastal deposits
220		4:53	Caribbean Sea, Islas Los Roques, Venezuela	Coastal calcareous reefs, fish school
221		4:53	Caribbean Sea, Islas Los Roques, Isla Orchila, Venezuela	Coastal calcareous reefs, fish school
222		4:53	Caribbean Sea, Isla La Tortuga, Venezuela	Coastal calcareous reefs
223		4:53	Caribbean Sea, Isla La Tortuga, Venezuela	Coastal islands
224		4:53	Caribbean Sea, Isla La Tortuga, Venezuela, Peninsula de Araya	Coastal islands
225	6/6/66	67:49	Atlantic Ocean, Canary Islands	Cloud lines, sun glitter
226		67:49	Atlantic Ocean, Canary Islands	Cloud lines, sun glitter
227		67:49	Atlantic Ocean, Canary Islands	Cloud lines, sun glitter
228		67:50	Atlantic Ocean, Canary Islands	Cloud lines, sun glitter, coastal stratus, island wake
229		67:50	Atlantic Ocean, Canary Islands, African coast	Cloud lines, sun glitter, coastal stratus, island wake

\* Ground elapsed time (Lift Off: 13:39:33 Zulu)

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
230	6/6/66	67:50	Atlantic Ocean, Canary Islands, African coast	Cloud lines, sun glitter, coastal stratus, island wake, large waves
231		67:51	Atlantic Ocean, Canary Islands, Morocco, Spanish Sahara	Cloud lines, sun glitter, coastal stratus, island wake, large waves
232		67:51	Atlantic Ocean, Canary Islands, Morocco, Spanish Sahara	Cloud lines, sun glitter, coastal stratus, island wake, large waves
233		67:51	Atlantic Ocean, Fuerteventura Island, Morocco, Spanish Sahara	Coastal strato-cumulus
696		69:33	Atlantic Ocean, Canary Islands -- looking northwest	Local winds, cloud lines
697		69:33	Atlantic Ocean, Canary Islands -- looking northwest	Local winds, cloud lines
698		69:49	Indian Ocean, Somali -- looking west	Bénard cells, local winds, cloud lines, sun glitter, coastal sediments
699		69:49	Indian Ocean, Somali	Bénard cells, local winds, cloud lines, sun glitter, coastal sediments
700		69:50	Indian Ocean, Somali	Bénard cells, local winds, cloud lines, sun glitter, coastal sediments



GEMINI X JULY 20, 1966  
JOHN W. YOUNG, LT. COL. MICHAEL COLLINS  
SOUTH END OF THE ISLAND OF TAIWAN



GEMINI X

July 18-21, 1966

Cdr. John W. Young - Maj. Michael Collins

Apogee: 410 miles

Perigee: 161

Camera: J. A. Maurer, 70-mm Space Camera

Lens: Xenotar, 80-mm F. L.; f-2.8

Film: Eastman Kodak, Ektachrome, MS (S.O., 217)

70-mm width, 55 x 55-mm format





<u>SLIDE</u>	<u>DATE</u>	<u>TIME*</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
234	7/20/66	52:16	Pacific Ocean west of Midway Island	Bénard cells
235		52:17	Pacific Ocean, Midway Island, Kure Island	Bénard cells, calcareous reef atolls
236		52:17	Pacific Ocean, Midway Island, Kure Island	Bénard cells, calcareous reef atolls
237		52:18	Pacific Ocean, Pearl and Hermes Reef	Bénard cells, calcareous reef atolls
238		53:26	Indian Ocean, Maldivé Islands of Suvadiva and Addu	Wind shear in clouds, Bénard cells, calcareous reefs, atolls
239		53:26	Indian Ocean, Maldivé Islands of Suvadiva and Addu	Wind shear in clouds, Bénard cells, calcareous reefs, atolls
240		53:39	China, Fukien Province, Taiwan, Formosa Strait, Pescadores Islands	Coastal sediments, coastal currents
241		53:39	China, Chekieng Provinces, Formosa Strait, Pescadores Islands, Hang Chou Wan -- looking north	Coastal sediments
242		53:39	China, Fukien Province, Taiwan, Formosa Strait, Pescadores Islands	Coastal sediments, coastal currents
243		53:39	China, Fukien Province, Formosa Strait, Taiwan, Pescadores Islands	Coastal sediments, coastal currents, island clusters, sun glitter
244		53:39	Taiwan, Kaohsiung City	Coastal currents, sun glitter, waves, coastal sediments, coastal deposits

\* Ground elapsed time (Lift Off: 22:20:26 GMT)

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
245	7/20/66	53:41	Pacific Ocean, Ryukyu Islands, Sakishima Gunto Group, Iriomote Jima, Ishigaki Shima	Cloud lines, calcareous islands
246		53:42	Pacific Ocean, Daito Islands, Kita Daito Jima	Bénard cells, island wake
247		53:42	Pacific Ocean, Daito Islands, Kita Daito Jima	Bénard cells, island wake, sun glitter
248		55:03	China, Fukien Province, Formosa Strait	Coastal sediments
249		55:03	China, Fukien and Kwangtung Provinces, Formosa Strait, Quemoy Island, Pescadores Island	Coastal sediments
250		55:03	China, Taiwan, Formosa Strait, Quemoy Island	Coastal sediments, cloud lines, island wake
251		55:03	China, Formosa Strait, Pescadores Islands	Coastal sediments
252		55:04	China, Taiwan, Formosa Strait	Coastal sediments, island wake, cloud lines, oceanic cumulus
253		55:05	Taiwan -- looking south	Coastal sediments, cloud lines
254		55:06	China, Hang Chow Wan, East China Sea	Coastal sediments
255	--	--	Pacific Ocean	Bénard cells

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
256	7/20/66	--	Pacific Ocean	Bénard cells
257		41:21	Atlantic Ocean, Straits of Gibraltar, Spain, Portugal, Morocco	Coastal cloud eddy
258	7/21/66	62:35	Atlantic Ocean, Venezuela, Trinidad, mouths of Orinoco and Essequibo Rivers, Guianas	Bénard cells, coastal sediments, currents, cumulus built up on land and sea, delta
259		62:36	Atlantic Ocean, Guianas, Venezuela, Trinidad, mouths of Orinoco and Essequibo Rivers	Bénard cells, coastal sediments, currents, cumulus built up on land and sea
260		62:36	Atlantic Ocean, Guianas, Venezuela, Trinidad, Surinam, mouth of Orinoco and Essequibo Rivers	Bénard cells, coastal sediments, currents, cumulus built up on land and sea, cloud lines
261		62:37	Atlantic Ocean, Guianas, Surinam, Paramaribo	Bénard cells, coastal sediments, currents, cumulus built up on land and sea, cloud lines
262		62:37	Atlantic Ocean, Surinam, Paramaribo	Bénard cells, coastal sediments, currents, cumulus built up on land and sea, cloud lines
263		62:37	Atlantic Ocean, Surinam, French Guiana	Bénard cells, coastal sediments, currents, cumulus built up on land and sea, cloud lines
264	7/20/66	46:10	Gulf of Mexico, Texas, Mexico, Matagorda Bay to Boca Jesus Maria	Coastal deposits, Bénard cells

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
265	7/20/66	46:10	Gulf of Mexico, Texas, Mexico, Corpus Christi to Laguna Madre	Coastal deposits, Bénéard cells
266		46:11	Gulf of Mexico, Texas, Matagorda Island	Coastal sediments, Bénéard cells
267		46:11	Gulf of Mexico, Texas, Louisiana, Brazos River to Vermilion Bay	Coastal sediments, Bénéard cells
268		51:00	Pacific Ocean	Bénéard cells (high oblique)
269		51:00	Pacific Ocean	Bénéard cells (high oblique)
270		51:55	Pacific Ocean, Indonesia, Siberut Island, Mentawai Archipelago	Bénéard cells, island cluster
271		51:55	Pacific Ocean, Indonesia, Nias Island, Siberut Island	Bénéard cells, island cluster
272		51:56	Pacific Ocean, Indonesia, Siberut Island, Mentawai Archipelago	Irregular coastline, Bénéard cells
273		51:57	Pacific Ocean, Indonesia, Straits of Malacca, Malaysia	Coastal sediments, cloud lines
274		51:57	Pacific Ocean, Indonesia, Straits of Malacca, Gulf of Siam, Thailand	Coastal sediments, cloud lines





GEMINI XI SEPTEMBER 14, 1966  
CDR. CHARLES CONRAD, JR., CDR. RICHARD F. GORDON, JR.  
INDIA, CEYLON, AND A FEW OF THE LACCADINE ISLANDS  
FROM AN ALTITUDE OF 410 n.mi.





GEMINI XI

September 12-15, 1966

Cdr. Charles Conrad, Jr. - Lt. Cdr. Richard F. Gordon, Jr.

Apogee: 740 miles

Perigee: 160 miles

Camera: 1. J. A. Maurer, 70-mm Space Camera -- (Slide Nos. 359 -436)  
2. Hasselblad, Super Wide Angle, 70-mm -- (Slide Nos. 275-358)

Lens: 1. Xenator, 80-mm F. L.; f-2.8  
2. Zeiss, Biogon, 38-mm F. L.; f-4.5

Film: Eastman Kodak, Ektachrome, MS (S.O., 368)  
70-mm width, 55 x 55-mm format



<u>SLIDE</u>	<u>DATE</u>	<u>TIME*</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
275**	9/14/66	40:42	Red Sea, Mediterranean Sea, Saudi Arabia, Egypt, Sinai, Israel, Jordan	Irregular coastline, coastal calcareous reefs
276		40:43	Red Sea, Saudi Arabia, Egypt, Dead Sea -- Altitude 200	Irregular coastline, coastal calcareous reefs
277**		40:44	Red Sea, Saudi Arabia, Al Hijaz area -- Altitude 210	Irregular coastline, coastal calcareous reefs
278		40:47	Persian Gulf, Gulf of Oman, Arabian Sea -- Altitude 240	Irregular coastline, cloud lines
279		40:47	Arabian Sea, Persian Gulf, Gulf of Oman -- Altitude 260	Irregular coastline, cloud lines
280		40:48	Arabian Sea, Persian Gulf, Gulf of Oman -- Altitude 270	Irregular coastline, cloud lines (oblique)
281		40:49	Arabian Sea, Gulf of Oman -- Altitude 280	Cloud lines
282		40:50	Arabian Sea, India, Indus Valley, Rann of Kutch -- Altitude 290	Cloud lines, Bénard cells
283		40:51	Arabian Sea, Bay of Bengal, India, Ceylon -- Altitude 350	Cloud lines, Bénard cells
284		40:52	Arabian Sea, Bay of Bengal, India, Ceylon -- Altitude 360	Cloud lines, Bénard cells
285		40:52	Arabian Sea, Bay of Bengal, India, Ceylon -- Altitude 370	Cloud lines, Bénard cells
286		40:52	Arabian Sea, Bay of Bengal, India, Ceylon -- Altitude 380	Cloud lines, Bénard cells

\* Ground elapsed time (Lift Off: 14:42:26 Zulu)

\*\* Fogged window

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
287	9/14/66	40:53	Arabian Sea, Bay of Bengal, India, Ceylon -- Altitude 400	Cloud lines, Bénard cells
288		40:53	Bay of Bengal, India, Ceylon, Maldiv Islands -- Altitude 410	Cloud lines, Bénard cells
289		40:53	Bay of Bengal, India, Ceylon, Maldiv Islands -- Altitude 430	Cloud lines, Bénard cells
290		40:54	Bay of Bengal, India, Ceylon -- Altitude 440	Cloud lines, Bénard cells
291		40:55	Indian Ocean, southeast of Ceylon -- Altitude 460	Bénard cells, upper-level clouds, inter-tropical convergence zone
292		40:56	Indian Ocean west of Sumatra -- Altitude 500	Bénard cells, upper-level clouds, inter-tropical convergence zone
293		40:56	Indian Ocean west of Sumatra -- Altitude 510	Bénard cells, upper-level clouds, inter-tropical convergence zone
294		40:56	Indian Ocean west of Sumatra -- Altitude 520	Bénard cells, upper-level clouds, inter-tropical convergence zone
295		40:57	Indian Ocean west of Sumatra -- Altitude 530	Bénard cells, upper-level clouds, inter-tropical convergence zone
296		40:57	Indonesian Islands, Sumatra, Java, Borneo, Sumbawa -- Altitude 540	Bénard cells, upper-level clouds, inter-tropical convergence zone
297		40:58	Indonesian Islands, Sumatra, Java, Bali, Borneo -- Altitude 550	Bénard cells, upper-level clouds, inter-tropical convergence zone

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
298	9/14/66	40:59	Indonesian Islands, Java, Sumatra, Bali, Borneo -- Altitude 560	Bénard cells, upper-level clouds, inter-tropical convergence zone
299		40:59	Indonesia, Sumatra, Java, Bali, Borneo, Sumbawa -- Altitude 570	Bénard cells, upper-level clouds, inter-tropical convergence zone
300		41:00	Indonesia, Java, Bali, Borneo, Sumbawa -- Altitude 580	Bénard cells, upper-level clouds, inter-tropical convergence zone
301		41:02	Indonesia, Java, Bali, Borneo, Sumbawa -- altitude 590	Bénard cells, upper-level clouds, inter-tropical convergence zone
302		41:03	Australia, northwest coast Altitude 610	Coastal deposits, cloud lines, calcareous reefs
303		41:03	Australia, northwest coast, Indonesia Altitude 620	Coastal deposits, cloud lines, calcareous reefs
304		41:03	Australia, northwest coast -- Altitude 630	Coastal deposits, cloud lines, calcareous reefs
305		41:04	Australia, northwest coast -- Altitude 640	Coastal deposits, cloud lines, calcareous reefs
306		41:04	Australia, northwest coast -- Altitude 650	Coastal deposits, cloud lines, calcareous reefs
307		41:05	Gulf of Carpentaria, Cape York Peninsula, Australia -- Altitude 660	Coastal deposits, cloud lines, calcareous reefs
308		41:05	Australia, Gulf of Carpentaria, Cape York Peninsula -- Altitude 670	Coastal deposits, cloud lines, calcareous reefs

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
319	9/14/66	42:16	Red Sea, Egypt, Saudi Arabia, Sudan, Ethiopia, -- Altitude 300	Irregular coastline
320		42:17	Red Sea, Gulf of Aden, Somali, Sudan, Saudi Arabia -- Altitude 310	Cloud lines, local winds, island clusters
321		42:17	Red Sea, Gulf of Aden, Somali, Sudan, Saudi Arabia -- Altitude 320	Cloud lines, local winds, island clusters, calcareous reefs
322		42:17	Red Sea, Gulf of Aden, Somali, Sudan, Saudi Arabia -- Altitude 330	Cloud lines, local winds, island clusters, calcareous reefs
323		42:18	Red Sea, Gulf of Aden, Somali, Sudan, Saudi Arabia -- 335 Altitude	Cloud lines, local winds, island clusters, calcareous reefs
324		42:18	Red Sea, Gulf of Aden, Somali, Sudan, Saudi Arabia -- Altitude 340	Cloud lines, local winds, island clusters, calcareous reefs
325		42:19	Red Sea, Gulf of Aden, Somali, Sudan, Saudi Arabia -- Altitude 350	Cloud lines, local winds, island clusters, calcareous reefs, sun glitter, coastal currents
326		42:20	Gulf of Aden, Indian Ocean, Somali, South Arabia, Socotra Island -- Altitude 370	Cloud lines, local winds, island clusters, calcareous reefs, sun glitter, coastal currents
327		42:21	Indian Ocean, Gulf of Aden, Somali, South Arabia, Socotra Island -- Altitude 380	Cloud lines, local winds, island clusters, coastal deposits, coastal calcareous reefs
328		42:23	Indian Ocean, Arabian Sea, India, Ceylon -- Altitude 410	Bénard cells, cloud lines



<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
329	9/14/66	42:24	Indian Ocean, Maldiv Islands, India, Ceylon -- Altitude 460	Bénard cells, cloud lines, inter- tropical convergence zone
330		42:25	Indian Ocean, Maldiv Islands, India, Ceylon -- Altitude 465	Bénard cells, cloud lines, inter- tropical convergence zone, upper- level clouds
331		42:27	Indian Ocean, Maldiv Islands, India, Ceylon -- Altitude 500	Bénard cells, cloud lines, inter- tropical convergence zone, upper- level clouds
332		42:28	Indian Ocean, Maldiv Islands, India, Ceylon -- Altitude 500	Bénard cells, cloud lines, inter- tropical convergence zone, upper- level clouds
333		42:30	Indian Ocean west of Australia -- Altitude 660	Bénard cells, cloud lines, inter- tropical convergence zone, upper- level clouds
334		42:30	Indian Ocean west of Australia -- Altitude 665	Bénard cells, cloud lines, inter- tropical convergence zone, upper- level clouds
335		42:31	Indian Ocean west of Australia -- Altitude 670	Bénard cells, cloud lines, inter- tropical convergence zone, upper- level clouds
336		42:32	Indian Ocean west of Australia -- Altitude 675	Bénard cells, cloud lines, inter- tropical convergence zone, upper- level clouds
337		46:58	Pacific Ocean, Mexico	Oceanic cumulus





GEMINI XI SEPTEMBER 14, 1966  
CDR. CHARLES CONRAD, JR., CDR. RICHARD F. GORDON, JR.  
AGENA TETHERED TO THE GEMINI SPACECRAFT OVER THE  
GULF OF CALIFORNIA NEAR LA PAZ, BAJA CALIFORNIA



<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
338	9/14/66	46:59	Rio Grande River, Texas, Mexico	Cumulus, strato-cumulus
339		46:59	Gulf of Mexico, Texas, Louisiana	Coastal deposits, sun glitter, cloud lines, coastal haze, contrail
340		47:00	Gulf of Mexico, Texas, Louisiana	Coastal deposits, sun glitter, cloud lines, coastal haze, contrail
341		47:01	Gulf of Mexico, Texas, Louisiana	Coastal deposits, convergence cloud lines, coastal haze, contrail
342		47:02	Gulf of Mexico, Louisiana, Alabama, Mississippi, Florida, Miss. River	Cloud lines, convergence, coastal haze, coastal sediments, delta
343		47:03	Gulf of Mexico, Mississippi River Alabama, Florida, Mississippi	Cloud lines, convergence, coastal haze, coastal sediments, delta
344		47:04	Gulf of Mexico, Florida, Cape San Blas	Cloud lines, convergence, coastal haze, coastal sediments
345		47:05	Florida, Gulf of Mexico, Atlantic Ocean	Sun glitter, cumulus, strato-cumulus, coastal deposits (oblique)
346		47:05	Central Florida, Gulf of Mexico, Atlantic Ocean	Sun glitter, cumulus, strato-cumulus, coastal deposits (oblique)
347		47:05	Central Florida, Gulf of Mexico, Atlantic Ocean	Sun glitter, cumulus, strato-cumulus, coastal deposits (oblique)
348		47:06	Central Florida, Gulf of Mexico, Atlantic Ocean	Sun glitter, cumulus, strato-cumulus, coastal deposits (oblique)

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
349	9/14/66	47:06	Atlantic Ocean, Florida, Jacksonville to Palm Beach	Oceanic cumulus, cumulonimbus, cloud lines
350		51:30	--	Oceanic cumulus, cumulonimbus, cloud lines (oblique)
351		51:30	--	Bénard cells, oceanic cumulus, cumulonimbus, cloud lines
355		54:30	Pacific Ocean, southeast of Japan	Cumulonimbus, strato-cumulus, typhoon (Elsie)
359		40:43	Mediterranean Sea, Red Sea, Dead Sea, Sea of Galilee, Israel, Jordan, Saudi Arabia, Egypt, Suez Canal	Irregular coastline, local winds, coastal calcareous reefs, island clusters
360		40:44	Red Sea, Saudi Arabia, Al Hijaz,	Coastal calcareous reefs
361		40:48	Persian Gulf, Gulf of Oman, Iran, Saudi Arabia, Muscat & Oman	Coastal lagoons, cloud lines
362		40:49	Arabian Sea, Indus Valley, Rann of Kutch	Cloud lines
363		40:50	Arabian Sea, India, Gulf of Kutch, Gulf of Cambay	Bénard cells, cloud lines
364		40:51	Arabian Sea, Lacadive Islands, India, Ceylon	Bénard cells, cloud lines
365		40:52	Arabian Sea, Lacadive Islands, India, Ceylon	Bénard cells, cloud lines, calcareous reefs, atolls



<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
366	9/14/66	40:52	Arabian Sea, Bay of Bengal, India	Bénard cells, cloud lines, coastal sediments
367		40:53	Bay of Bengal, India, Ceylon	Bénard cells, cloud lines, coastal sediments
368		40:53	Bay of Bengal, India, Ceylon	Bénard cells, cloud lines, coastal sediments
369		40:54	Bay of Bengal, India, Ceylon	Bénard cells, cloud lines, coastal sediments
370		40:58	Indonesia, Sumatra	Bénard cells, oceanic cumulus, high-level clouds
371		40:58	Indonesia, Sumatra	Bénard cells, oceanic cumulus, high-level clouds
372		40:58	Indonesia, Java, Borneo, Sumatra	Bénard cells, oceanic cumulus, high-level clouds, inter-tropical convergence zone
373		40:59	Indonesia, Java, Borneo, Sumatra	Bénard cells, oceanic cumulus, high-level clouds, inter-tropical convergence zone
374		40:59	Indonesia, Java, Borneo, Sumatra	Bénard cells, oceanic cumulus, high-level clouds, inter-tropical convergence zone, coastal sediments

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
375	9/14/66	40:59	Indonesia, Java, Bali, Lombok, Sumatra, Borneo	Bénard cells, oceanic cumulus, high-level clouds, inter-tropical convergence zone, coastal sediments
376		40:59	Indonesia, Java, Bali, Lombok	Oceanic cumulus, cloud lines
377		41:00	Indonesia, Java, Bali, Lombok	Oceanic cumulus, cloud lines
378		41:00	Indonesia, Java, Bali, Lombok	Oceanic cumulus, cloud lines
379		41:03	Australia, northwest coast	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs
380		41:03	Australia, northwest coast	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs
381		41:03	Australia, northwest coast	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs
382		41:03	Australia, northwest coast	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs
383		41:04	Australia, northwest coast	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs
384		41:04	Australia, northwest coast	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
385	9/14/66	41:05	Australia, northwest coast	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs
386		41:05	Timor Sea, Timor Island, Sumba Island, Scott Reef, Flores Island	Oceanic cumulus
387		41:06	Australia, northwest coast	Oceanic cumulus
388		41:06	Australia, northwest coast	Oceanic cumulus
389		41:06	Australia, northwest coast	Oceanic cumulus
390		41:06	Australia, northwest coast	Oceanic cumulus
391		42:05	Atlantic Ocean, Morocco, Ras Rhir, Agadir -- Altitude 160	Strato-cumulus, coastal eddy
392		42:05	Atlantic Ocean, Morocco, Ras Rhir, Agadir -- Altitude 162	Strato-cumulus, coastal eddy
406		42:18	Red Sea, Sudan, Ethiopia, Kassala -- Altitude 280	Irregular coastline, coastal sediments, calcareous reefs
407		42:18	Red Sea, Sudan, Ethiopia, Kassala -- Altitude 290	Irregular coastline, coastal sediments, calcareous reefs
408		42:19	Red Sea, Saudi Arabia, Sudan, Ethiopia -- Altitude 295	Irregular coastline, coastal sediments, calcareous reefs
409		42:20	Red Sea, Ethiopia, Saudi Arabia, Yemen -- Altitude 300	Irregular coastline, coastal sediments, calcareous reefs, local winds

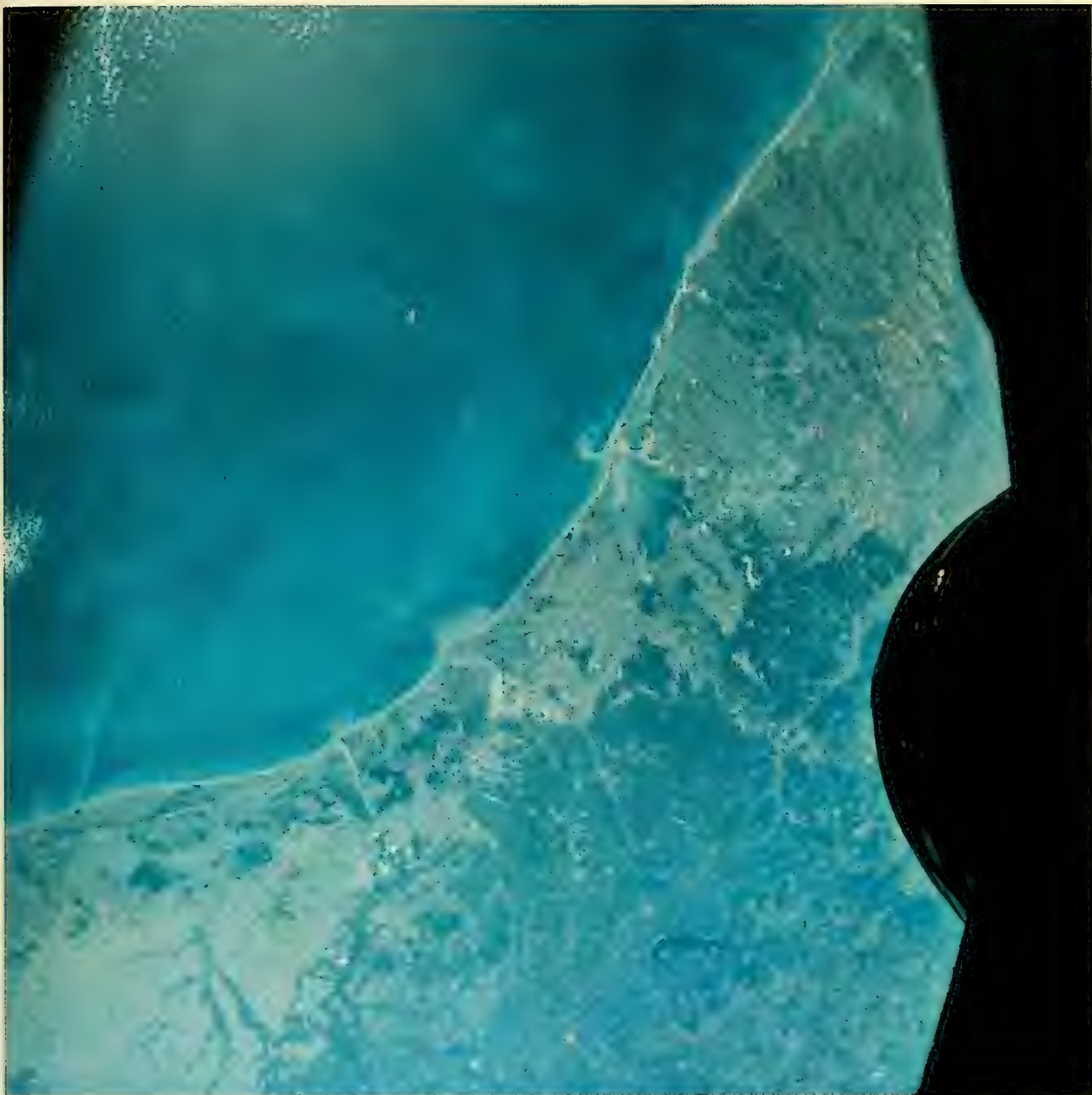
<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
410	9/14/66	42:21	Red Sea, Gulf of Aden, South Arabia, Somali, Ethiopia -- Altitude 320	Irregular coastline, coastal sediments, calcareous reefs, local winds
411		42:21	Red Sea, Gulf of Aden, South Arabia, Somali, Ethiopia -- Altitude 340	Sun glitter, coastal currents, irregular coastline, local winds
412		42:22	Indian Ocean, Gulf of Aden, Ras Hafun, Somali -- Altitude 350	Sun glitter, coastal currents, irregular coastline, local winds
413		42:25	Indian Ocean -- Altitude 360	Cloud lines, coastal deposits, local winds
414		42:25	Indian Ocean -- Altitude 380	Oceanic cumulus
415		42:27	Indian Ocean -- Altitude 400	Cumulus, Bénard cells, cloud line
416		42:27	Indian Ocean -- Altitude 420	Cumulus, Bénard cells, cloud lines
417		42:28	Indian Ocean -- Altitude 445	Cumulus, Bénard cells, cloud lines
418		42:28	Indian Ocean, Maldiv Islands -- Altitude 455	Cumulus, Bénard cells, cloud lines, upper-level clouds
419		42:28	Indian Ocean, Maldiv Islands -- Altitude 465	Cumulus, Bénard cells, cloud lines, upper-level clouds
420		42:29	Indian Ocean, Maldiv Islands, India, Ceylon -- Altitude 475	Cumulus, Bénard cells, cloud lines, upper-level clouds
421		42:29	Indian Ocean, Maldiv Islands, India, Ceylon -- Altitude 485	Cumulus, Bénard cells, cloud lines, upper-level clouds

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
422	9/14/66	42:30	Indian Ocean -- Altitude 520	Cumulus, Bénard cells, cloud lines, upper-level clouds
423		42:30	Indian Ocean -- Altitude 540	Cumulus, Bénard cells, cloud lines, upper-level clouds
424		42:31	Indian Ocean -- Altitude 560	Cumulus, Bénard cells, cloud lines, upper-level clouds
425		42:32	Indian Ocean -- Altitude 610	Cumulus, Bénard cells, cloud lines, upper-level clouds
426		42:33	Indian Ocean -- Altitude 650	Strato-cumulus
430		50:05	Pacific Ocean west of Mexico	Scattered strato-cumulus, Bénard cells, cumulus
431		50:06	Pacific Ocean west of Mexico	Strato-cumulus, incipient Bénard cells
432		50:07	Pacific Ocean west of Mexico	Strato-cumulus, Bénard cells
433		50:08	Pacific Ocean west of Mexico	Strato-cumulus, Bénard cells
434		50:09	Gulf of California, Baja California, La Paz, Mexico	Sun glitter, cloud lines, currents, eddies, coastal deposits
701		42:35	Indian Ocean west of Australia -- Altitude 710	Strato-cumulus, cumulus, Bénard cells, cloud eddies
702		42:35	Indian Ocean west of Australia -- Altitude 715	Strato-cumulus, cumulus, Bénard cells, cloud eddies

OCEANOGRAPHIC FEATURES

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	
703	9/14/66	42:36	Indian Ocean, Australia -- Altitude 720	Strato-cumulus, cumulus, Bénard cells, cloud eddies
704		42:36	Indian Ocean, Australia -- Altitude 730	Strato-cumulus, cumulus, Bénard cells, cloud eddies
705		46:58	Mexico	Cumulus, upper-level clouds, sun glitter





GEMINI XII NOVEMBER 14, 1966  
CAPT. JAMES A. LOVELL, JR., LT. COL. EDWIN E. ALDRIN, JR.  
COAST OF TEXAS AND LOUISIANA WITH GALVESTON BAY, HOUSTON,  
AND THE MANNED SPACECRAFT CENTER



GEMINI XII

November 11-15, 1966

Capt. James A. Lovell, Jr. - Major Edwin E. Aldrin, Jr.

Apogee: Not given

Perigee: Not given

Camera: 1. Hasselblad, Super Wide Angle, 70-mm -- (Slide Nos. 437-593,  
and 613-661)

2. J. A. Maurer, 70-mm Space Camera -- (Slide Nos. 594-612)

Lens: 1. Zeiss, Biogon, 38-mm F. L.; f-4.5

2. Xenotar, 80-mm F. L.; f-2.8

Film: Eastman Kodak, Ektachrome, MS (S.O., 368)

70-mm width, 55 x 55-mm format



<u>SLIDE</u>	<u>DATE</u>	<u>TIME*</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
437	11/13/66	--	Pacific Ocean	Bénard cells, cloud lines, sun glitter
438		--	Pacific Ocean	Bénard cells, cloud lines, sun glitter
439		--	Pacific Ocean	Bénard cells, cloud lines, sun glitter
440		--	Pacific Ocean	Bénard cells, cloud lines, sun glitter
441		--	Pacific Ocean	Strato-cumulus
442		51:06	Pacific Ocean, Baja California	Strato-cumulus, cloud lines, coastal deposits
443		51:07	Pacific Ocean, Mexico, Manzanillo	Strato-cumulus, cumulus, cloud lines
444		51:07	Pacific Ocean, Mexico, Manzanillo	Strato-cumulus, cumulus, cloud lines
445		53:31	Indian Ocean, Maldivé Islands, Suvadiva Atoll	Cloud lines, calcareous reef atolls
446		53:35	Bay of Bengal, Andaman Islands	Cloud lines, calcareous reef atolls
447		53:36	Bay of Bengal, Burma, mouths of the Irrawaddy and Rangoon Rivers	Cloud lines, coastal sediments, coastal deposits, delta

\* Ground elapsed time (Lift Off: 20:46:33 Zulu)

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
448	11/13/66	53:36	Bay of Bengal, Burma, mouths of the Irrawaddy and Rangoon Rivers	Cloud lines, coastal sediments, coastal deposits, delta
449		53:36	Bay of Bengal, Burma, mouths of the Irrawaddy and Rangoon Rivers	Cloud lines, coastal sediments, coastal deposits, delta
450		53:36	Bay of Bengal, Burma, mouths of the Irrawaddy and Rangoon Rivers	Cloud lines, coastal sediments, coastal deposits, delta
452		61:21	Mediterranean Sea, Libya, Egypt, Nile Delta	Local winds, delta
453		61:24	Persian Gulf, Iran, Saudi Arabia	Irregular coastline, sun glitter, coastal sediments
454		61:25	Persian Gulf, Iran, Trucial Oman, Qeshm Island	Irregular coastline, sun glitter, coastal sediments
455		61:25	Gulf of Oman, Iran	Irregular coastline, sun glitter, coastal sediments
457		61:26	Arabian Sea, Pakistan	Irregular coastline, sun glitter, coastal currents, delta
458		61:26	Arabian Sea, Pakistan, Indus Valley, Nara Canal	Irregular coastline, sun glitter, coastal currents, delta
460	11/14/66	68:51	Florida, Bahama Islands, Cuba	Cloud lines, calcareous reefs, coastal sediments, currents
461		70:16	Gulf of California, Baja California, Mexico, Arizona, New Mexico	Upper level clouds, cloud lines, coastal deposits, contrail, irregular coastline



<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
462	11/14/66	70:16	Gulf of California, Baja California, Mexico, New Mexico	Upper-level clouds, cloud lines, coastal deposits, contrail
465		70:21	Gulf of Mexico, Mexico, Texas, Louisiana	Coastal sediments, coastal deposits
466		70:21	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits
467		70:21	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits
468		70:21	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents
469		70:21	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents
470		70:21	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, delta
471		70:22	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, delta
472		70:22	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, delta
473		70:22	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, delta
474		70:22	Gulf of Mexico, Texas, Louisiana Matagorda to Vermillion Bay	Coastal sediments, coastal deposits, coastal currents, coastal eddies, delta

OCEANOGRAPHIC FEATURES

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	
475	11/14/66	70:22	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, coastal eddies, delta
476		70:22	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, coastal eddies, delta
477		70:22	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, coastal eddies, delta
478		70:23	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, coastal eddies, convergence, delta
479		70:23	Gulf of Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, coastal eddies, convergence, delta
480		70:23	Gulf of Mexico, Texas, Louisiana, Mexico	Coastal sediments, coastal deposits, coastal currents, coastal eddies, convergence, delta
481		70:23	Gulf of Mexico, Texas, Louisiana, Mexico	Coastal sediments, coastal deposits, coastal currents, coastal eddies, convergence, delta
482		70:23	Gulf of Mexico, Texas, Louisiana, Mexico	Coastal sediments, coastal deposits, coastal currents, coastal eddies, convergence, delta

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
483	11/14/66	70:23	Gulf of Mexico, Texas, Louisiana, Mexico	Coastal sediments, coastal deposits, coastal currents, coastal eddies, delta
484		70:25	Atlantic Ocean, Florida, Jacksonville to Palm Beach, Orlando	Coastal deposits, cold frontal system
485		70:25	Atlantic Ocean, Florida, Jacksonville to Palm Beach, Orlando	Coastal deposits, cold frontal system
486		70:25	Atlantic Ocean, Florida, Jacksonville to Fort Pierce	Coastal deposits, cold frontal system
487		71:45	Gulf of California, Baja California, Mexico	Irregular coastline, coastal deposits, Bénard cells, stratocumulus, sun glitter, high-level clouds
488		71:45	Gulf of California, Baja California, Mexico	Irregular coastline, coastal deposits, Bénard cells, stratocumulus, sun glitter, currents, high-level clouds
489		71:45	Gulf of California, Baja California, Mexico	Irregular coastline, coastal deposits, Bénard cells, stratocumulus, sun glitter, currents, high-level clouds
490		71:45	Gulf of California, Baja California, Mexico	Irregular coastline, coastal deposits, Bénard cells, stratocumulus, sun glitter, currents, high-level clouds
491		71:45	Gulf of California, Baja California, Mexico	Irregular coastline, coastal deposits, Bénard cells, stratocumulus, sun glitter, currents, high-level clouds

SLIDE

DATE

TIME

LOCATION

OCEANOGRAPHIC FEATURES

492	11/14/66	71:45	Gulf of California, Baja California, Mexico	Irregular coastline, sun glitter, coastal deposits, Bénard cells, strato-cumulus, coastal currents, high-level clouds
493		71:45	Gulf of California, Baja California, Mexico	Irregular coastline, sun glitter, coastal deposits, Bénard cells, strato-cumulus, coastal currents, high-level clouds
494		71:45	Gulf of California, Baja California, Mexico	Irregular coastline, sun glitter, coastal deposits, Bénard cells, strato-cumulus, coastal currents, high-level clouds
495		71:46	Gulf of California, Baja California, Mexico	Irregular coastline, sun glitter, coastal deposits, Bénard cells, strato-cumulus, coastal currents, high-level clouds
496		71:46	Gulf of California, Baja California, Mexico	Irregular coastline, sun glitter, coastal deposits, Bénard cells, strato-cumulus, coastal currents, high-level clouds
497		71:46	Gulf of California, Baja California, Mexico	Irregular coastline, sun glitter, coastal deposits, Bénard cells, strato-cumulus, coastal currents, high-level clouds
499		71:49	Gulf of Mexico, Texas, Mexico	Coastal deposits, coastal sediment
500		71:49	Gulf of Mexico, Texas, Mexico	Coastal deposits, coastal sediment
501		71:49	Gulf of Mexico, Texas, Mexico	Coastal deposits, coastal sediment
502		71:49	Gulf of Mexico, Texas, Mexico	Coastal deposits, coastal sediment

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
503	11/14/66	71:50	Gulf of Mexico, Texas, Louisiana, Matagorda to Vermilion Bay	Coastal deposits, coastal sediments, currents, eddies
504		71:50	Gulf of Mexico, Texas, Louisiana, Matagorda to Vermilion Bay	Coastal deposits, coastal sediments, currents, eddies
505		71:52	Gulf of Mexico, Florida, Florida Keys, Florida Straits, Cay Sal Bank	Cloud lines, Bénard cells, coastal calcareous reefs
506		71:52	Gulf of Mexico, Cuba, Florida Keys, Cay Sal Bank	Cloud lines, Bénard cells, coastal calcareous reefs
507		71:52	Gulf of Mexico, Cuba	Cloud lines, Bénard cells, coastal calcareous reefs
508		71:53	Cuba, Old Bahama Channel, Great Bahama Bank	Cloud lines, Bénard cells, coastal calcareous reefs
509		71:53	Caribbean Sea, Cuba, Gulf of Honduras, Honduras	Cloud lines, Bénard cells, coastal calcareous reefs, sun glitter
510		71:53	Caribbean Sea, Cuba, Jamaica, Gulf of Honduras, Honduras	Cloud lines, Bénard cells, sun glitter, coastal calcareous reefs
511		71:53	Caribbean Sea, Cuba, Jamaica	Cloud lines, Bénard cells, sun glitter, coastal calcareous reefs, currents
512		71:53	Bahama Islands, Great Inagua, Acklins, Mayaguana, Caicos	Oceanic cumulus, Bénard cells
513		71:54	Bahama Islands, Great Inagua, Acklins, Mayaguana, Caicos	Oceanic cumulus, Bénard cells

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
514	11/14/66	71:54	Bahama Islands, Great Inagua, Grand Turk, Mayaguana, Caicos	Oceanic cumulus, Bénard cells, calcareous reefs
515		74:50	Pacific Ocean, Hawaiian chain, Midway, Kure, Pearl and Hermes Reef	Oceanic cumulus, cloud lines
516		74:50	Pacific Ocean, Hawaiian chain, Pearl and Hermes Reef, Salmon Bank	Oceanic cumulus, cloud lines, calcareous reefs, atolls
517		74:51	Pacific Ocean, Hawaiian chain, Pearl and Hermes Reef, Salmon Bank	Oceanic cumulus, cloud lines, sun glitter
518	11/15/66	85:21	Red Sea, Saudi Arabia, Egypt, Sudan	Irregular coastline, upper-level clouds, sun glitter, currents
519		85:24	Persian Gulf, Gulf of Oman, Qeshm Island	Coastal sediments, coastal deposits, calcareous reefs
523	11/12/66	16:01	--	Moon eclipse
524		16:01	--	Moon eclipse
525		22:31	Atlantic Ocean, Bahamas, Florida, Cuba	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
526		22:31	Atlantic Ocean, Bahamas, Cuba, Florida	Coastal deposits, sun glitter, cloud lines, coastal currents, calcareous reefs

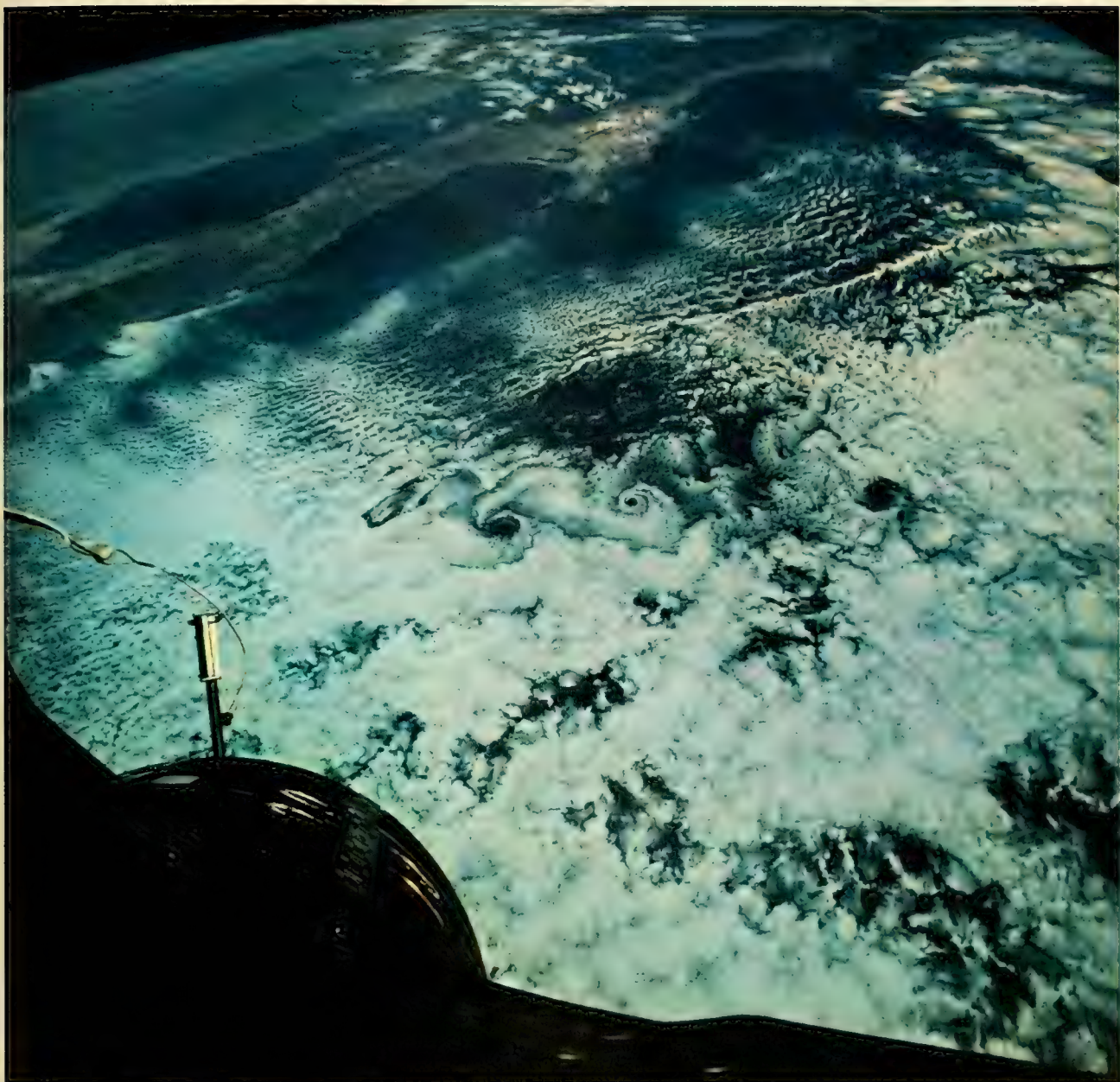


<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
527	11/12/66	22:31	Atlantic Ocean, Gulf of Mexico, Florida, Cuba, Bahamas	Coastal deposits, sun glitter, cloud lines, coastal currents, calcareous reefs
528		22:31	Atlantic Ocean, Gulf of Mexico, Florida, Cuba, Bahamas	Coastal deposits, sun glitter, cloud lines, coastal currents, calcareous reefs
529		22:32	Atlantic Ocean, Gulf of Mexico, Florida, Cuba, Bahamas	Coastal deposits, sun glitter, cloud lines, coastal currents, calcareous reefs
530		22:32	Atlantic Ocean, Gulf of Mexico, Florida, Cuba, Bahamas	Coastal deposits, sun glitter, cloud lines, coastal currents, calcareous reefs
531		22:32	Florida, Cuba, Bahamas, Atlantic Ocean, Gulf of Mexico	Coastal deposits, sun glitter, cloud lines, coastal currents, calcareous reefs
532		22:32	Florida, Cuba, Bahamas	Coastal deposits, sun glitter, cloud lines, coastal currents, calcareous reefs
533		22:33	Florida, Cuba, Bahamas	Coastal deposits, sun glitter, cloud lines, coastal currents, calcareous reefs
537		23:56	Gulf of Mexico, Texas	Coastal sediments, strato-cumulus
538		23:56	Gulf of Mexico, Texas	Coastal sediments, strato-cumulus

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
539	11/12/66	24:00	Gulf of Mexico, Atlantic Ocean, Florida	Coastal deposits, cloud lines
540		24:00	Gulf of Mexico, Atlantic Ocean, Florida, Florida Keys	Coastal deposits, cloud lines, calcareous reefs
541		24:01	Atlantic Ocean, Florida, Palm Beach, Orlando	Coastal deposits, cloud lines
542		24:01	Atlantic Ocean, Florida, Palm Beach, Orlando, Cape Kennedy	Coastal deposits, cloud lines, calcareous reefs
543		25:22	Gulf of California, Baja California, Mexico	Irregular coastline, strato-cumulus, sun glitter, cloud bow wave
544		25:22	Gulf of California, Baja California, Mexico	Irregular coastline, sun glitter, strato-cumulus, cloud bow wave
545		25:23	Gulf of California, Baja California, Mexico	Irregular coastline, sun glitter, strato-cumulus, cloud bow wave
546		25:23	Gulf of California, Baja California, Mexico	Irregular coastline, sun glitter, strato-cumulus, cloud bow wave
547		--	Indian Ocean	Strato-cumulus, sun glitter
548		26:31	Indonesia, Timor Sea, Banda Sea, Arafura Sea	Oceanic cumulus, strato-cumulus, sun glitter
549		26:31	Indonesia, Timor Sea, Banda Sea, Arafura Sea	Oceanic cumulus, strato-cumulus, sun glitter

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
550	11/12/66	26:31	Indonesia, Timor Sea, Banda Sea, Arafura Sea	Oceanic cumulus, strato-cumulus, sun glitter, Bénard cells, Island clusters
554	11/13/66	38:55	Mediterranean Sea, Gulf of Suez, Egypt, Sinai	Irregular coastline, calcareous reefs
555		38:55	Red Sea, Sinai, Egypt, Saudi Arabia	Irregular coastline, calcareous reefs
556		38:56	Red Sea, Sinai, Egypt, Saudi Arabia	Irregular coastline, calcareous reefs
557		38:56	Red Sea, Sinai, Egypt, Saudi Arabia	Irregular coastline, calcareous reefs
558		38:56	Red Sea, Sinai, Egypt, Saudi Arabia	Irregular coastline, calcareous reefs
559		38:57	Red Sea, Sinai, Egypt, Saudi Arabia	Irregular coastline, sun glitter, calcareous reefs, local winds, coastal sediments, cloud lines
560		39:00	Persian Gulf, Iran	Irregular coastline, calcareous reefs, local winds, coastal sediments, cloud lines
561		39:00	Persian Gulf, Iran, Qeshm Island	Irregular coastline, calcareous reefs, local winds, coastal sediments, cloud lines





GEMINI XII NOVEMBER 13, 1966  
CAPT. JAMES A. LOVELL, JR., LT. COL. EDWIN E. ALDRIN, JR.  
BAJA CALIFORNIA AND GUADALUPE ISLAND





<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
562	11/13/66	39:00	Persian Gulf, Gulf of Oman, Iran, Qeshm Island, Trucial Oman	Irregular coastline, calcareous reefs, local winds, coastal sediments, cloud lines
563		39:01	Persian Gulf, Gulf of Oman, Qeshm Island, Iran, Trucial Oman	Irregular coastline, calcareous reefs, local winds, coastal sediments, cloud lines
564		46:13	Pacific Ocean , Guadalupe Island	Bénard cells, von Kármán eddies, cloud eddies
565		46:13	Pacific Ocean, Guadalupe Island	Bénard cells, von Kármán eddies, cloud eddies
566		46:14	Pacific Ocean, Guadalupe Island	Bénard cells, von Kármán eddies, cloud eddies
567		46:14	Pacific Ocean, Guadalupe Island	Bénard cells, von Kármán eddies, cloud eddies
570		46:19	Gulf of Mexico, Texas	Coastal deposits
571		46:19	Gulf of Mexico, Texas	Coastal deposits
572		46:19	Gulf of Mexico, Texas	Coastal deposits
573		46:19	Gulf of Mexico, Texas	Coastal deposits
574		46:20	Gulf of Mexico, Texas	Coastal deposits
575		46:20	Gulf of Mexico, Texas	Coastal deposits

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
576	11/13/66	46:20	Gulf of Mexico, Texas	Coastal deposits
577		46:21	Gulf of Mexico, Texas	Coastal deposits, coastal sediments
578		46:21	Gulf of Mexico, Texas	Coastal deposits, coastal sediments
579		--	--	Oceanic cumulus, Bénard cells, sun glitter
580		--	--	Oceanic cumulus, Bénard cells, sun glitter
581		--	--	Oceanic cumulus, Bénard cells, sun glitter
582		--	--	Oceanic cumulus, Bénard cells, sun glitter, currents
583		47:46	Gulf of California, Baja California	Strato-cumulus, cloud lines, coastal deposits, local winds
584		47:46	Gulf of California, Baja California	Strato-cumulus, cloud lines, coastal deposits, local winds
585		47:46	Gulf of California, Baja California	Strato-cumulus, cloud lines, coastal deposits, local winds
586		47:46	Gulf of California, Baja California	Strato-cumulus, cloud lines, coastal deposits, local winds
587		47:47	Pacific Ocean, Gulf of California, Mexico	Cloud lines, strato-cumulus

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
591	11/14/66	61:18	Red Sea, Egypt, Saudi Arabia, Nile Valley	Irregular coastline, calcareous reefs, upper-level clouds
592		61:18	Red Sea, Egypt, Saudi Arabia, Nile Valley	Irregular coastline, calcareous reefs, upper-level clouds
593		61:18	Red Sea, Egypt, Saudi Arabia, Nile Valley	Irregular coastline, calcareous reefs, upper-level clouds
602	11/13/66	--	--	Oceanic cumulus, upper-level clouds
603		--	--	Oceanic cumulus, upper-level clouds
604		--	--	Strato-cumulus, oceanic cumulus
605		--	--	Strato-cumulus, oceanic cumulus
606		--	--	Strato-cumulus, oceanic cumulus
607		--	--	Strato-cumulus, oceanic cumulus
608		--	--	Strato-cumulus, oceanic cumulus, Bénard cells
609		--	--	Strato-cumulus, oceanic cumulus, Bénard cells
613	11/12/66	--	Pacific Ocean	Oceanic cumulus, cloud lines
614		--	Pacific Ocean	Oceanic cumulus, cloud lines, Bénard cells
615		--	Pacific Ocean	Oceanic cumulus, cloud lines, Bénard cells

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
616	11/12/66	--	Pacific Ocean	Oceanic cumulus, cloud lines
617		--	Pacific Ocean	Oceanic cumulus, cloud lines
618		--	Pacific Ocean	Oceanic cumulus, cloud lines
619		--	Pacific Ocean	Oceanic cumulus, cloud lines
620		--	Pacific Ocean	Oceanic cumulus, strato-cumulus, Bénard cells
621		19:47	Pacific Ocean, Baja California (west of coast)	Cloud lines, Bénard cells, strato-cumulus, cloud eddy
622		19:47	Pacific Ocean, Baja California (west of coast)	Cloud lines, Bénard cells, strato-cumulus, cloud eddy
623		19:47	Pacific Ocean, Baja California (west of coast)	Cloud lines, Bénard cells, strato-cumulus, cloud eddy
624		19:48	Pacific Ocean, Mexico, Culiacan to Acapulco	Cloud lines, Bénard cells, strato-cumulus, irregular coastline, coastal cloud eddy
625		19:48	Pacific Ocean, Mexico, Culiacan to Acapulco	Cloud lines, Bénard cells, strato-cumulus, irregular coastline, coastal cloud eddy
626		19:48	Pacific Ocean, Mexico, Mazatlan to Manzanillo	Cloud lines, Bénard cells, strato-cumulus, irregular coastline, coastal cloud eddy, coastal deposit

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
627	11/12/66	19:48	Gulf of California, Pacific Ocean, Mexico, Guadalaajara	Irregular coastline, cloud lines, coastal deposits
632		19:51	Pacific Ocean, Isthmus of Tehuantepec, Guatemala, Yucatan, Mexico	Local winds, coastal sediments, cloud lines, Bénard cells
633		19:51	Caribbean Sea, Yucatan Straits, Cuba, Yucatan, Mexico	Coastal sediments, cloud lines, coastal deposits, calcareous reefs
634		19:52	Gulf of Mexico	Strato-cumulus, cloud lines
635		19:52	Gulf of Mexico	Strato-cumulus
636		19:52	Gulf of Mexico	Strato-cumulus
637		19:52	Gulf of Mexico	Strato-cumulus
638		19:53	Gulf of Mexico, Florida	Coastal sediments, local winds coastal deposits, cloud lines
639		19:53	Gulf of Mexico, Florida	Coastal sediments, local winds, coastal deposits, cloud lines
640		19:53	Gulf of Mexico, Florida	Coastal sediments, local winds, coastal deposits, cloud lines
641		19:53	Gulf of Mexico, Atlantic Ocean, Florida, Bahamas	Coastal sediments, local winds, coastal deposits, cloud lines, calcareous reefs
642		19:54	Gulf of Mexico, Atlantic Ocean, Florida, Bahamas	Coastal sediments, local winds, coastal deposits, cloud lines, calcareous reefs

<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
643	11/12/66	19:54	Gulf of Mexico, Atlantic Ocean, Florida, Bahamas	Coastal sediments, local winds, coastal deposits, cloud lines, calcareous reefs
644		19:54	Gulf of Mexico, Atlantic Ocean, Florida, Bahamas	Coastal sediments, local winds, coastal deposits, cloud lines, calcareous reefs
645		19:54	Gulf of Mexico, Atlantic Ocean, Florida, Bahamas	Coastal sediments, local winds, coastal deposits, cloud lines, calcareous reefs
646		19:54	Gulf of Mexico, Atlantic Ocean, Florida, Bahamas	Coastal deposits, currents, cloud lines
647		19:55	Atlantic Ocean, Florida	Coastal deposits, currents, cloud lines
648		19:55	Atlantic Ocean, Florida	Coastal deposits, currents, cloud lines
649		19:55	Gulf of Mexico, Florida, Florida Keys, Bahama Islands	Calcareous reefs, cloud lines, Bénard cells
650		19:55	Bahama Islands	Calcareous reefs, cloud lines, Bénard cells
651		19:55	Bahama Islands	Calcareous reefs, cloud lines, Bénard cells
658		22:20	Gulf of California, Baja California, Mexico	Coastal sediments, cloud lines, coastal deposits, contrails



<u>SLIDE</u>	<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>	<u>OCEANOGRAPHIC FEATURES</u>
659	11/12/66	22:20	Gulf of California, Baja California, Mexico	Coastal sediments, cloud lines, coastal deposits, contrails
660		22:21	Gulf of California, Baja California, Mexico	Coastal sediments, sun glitter, coastal deposits
661		22:21	Gulf of California, Baja California, Mexico	Coastal sediments, coastal deposits



## II OCEANOGRAPHIC FEATURES



CLOUDS





## CLOUD LINES

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
6	Calcareous reefs, oceanic cumulus	Great Exuma Island, Bahamas
7	Sun glitter, calcareous reefs	Acklins and Crooked Islands, Bahamas
9	Bénard cells	Atlantic Ocean
43	Calcareous reefs, oceanic cumulus, Bénard cells	Great Bahama Bank, Great Exuma, Cat, and Long Islands
44	Oceanic cumulus, Bénard cells, calcareous reefs	Bahamas, Crooked, Acklins, and Long Islands
45	Oceanic cumulus, Bénard cells, calcareous reefs	Bahamas, Grand Turk, Caicos Group
47	Irregular coastline, sun glitter	Mexico, Baja California, La Paz -- looking south
54	Bénard cells, oceanic cumulus, coastal sediments	Florida -- looking north, Florida Keys
59	Coastal deposition, Bénard cells	Tamaulipas to Texas coast, Gulf of Mexico
62	Island clusters	Crete, Rhodes, Turkey, Greece
63	Irregular coastline	Cyprus, Turkey
64	Irregular coastline	Cyprus, Turkey, Syria
71	Coastal sediments, reefs	Mozambique coast -- looking south
82	Oceanic cumulus, local winds	Florida -- looking south
86	Bénard cells, coastal sediments	Hispaniola -- looking southeast
87	Bénard cells	Atlantic Ocean, East of Lesser Antilles

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
104	Coastal sediments	Luzon, Philippines -- looking southwest
112	--	Algeria, Spain, Balearic Islands, Mediterranean Sea
116	Bénard cells, coastal deposits, barrier islands	Mobile, Alabama to Pensacola, Florida
120	Bénard cells, coastal deposits, local winds	Florida -- looking southeast
123	Calcareous reefs	Cuba, Oriente Province, Hispaniola, Jamaica, Great Inagua
124	Bénard cells, strato-cumulus, smog	California, Malibu to Rosarita Beach
139	Bénard cells	Cape Verde Islands, Boa Vista, Sal, Maio, Sao Tiago
142	Coastal deposits, delta	Nile Delta, Sinai, Israel, Syria, Jordan, Lebanon, Turkey, Cyprus, Iraq
143	Coastal deposits,	Israel, Jordan, Lebanon, Egypt, Cyprus, Dead Sea, Sea of Galilee
145	Surf	Leeward Islands, Guadeloupe, Marie Galante, Antigua, Montserrat
151	Surf	Guadalupe Island, Baja California
163	Sun glitter, coastal currents, coastal deposits	Cuba, Oriente Province, Santiago, Guantanamo Bay
168	Coastal deposits	Florida, Cape Kennedy
172	Calcareous reefs	Bahama Island, Andros Island
179	Coastal sediments, coastal deposits, local winds	India, Madras State, Adam's Bridge, Ceylon

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
180	Coastal sediments, local winds, coastal deposits	India, Madras State, Ceylon, Palk Straits
181	Coastal sediments, local winds, coastal deposits	India, Madras State, Ceylon, Adam's Bridge, Palk Straits
187	Irregular coast	Ras Azir, Somali Republic
188	Irregular coast	Ras Azir, Somali Republic, Socotra Island
191	Contrail	Pacific Ocean
195	High-level clouds	Venezuela, Paraguana, Colombia, Peninsula de la Guajira
196	Coastal sediments, delta	Brazil, mouth of Amazon, Baia de Marajo
197	Coastal sediments, delta	Brazil, mouth of Amazon
198	Coastal sediments	Brazil, mouth of Amazon
199	Coastal sediments, delta	Brazil, Baia de Marajo
200	Coastal calcareous reefs, local winds	Red Sea, Saudi Arabia, Sudan, Ethiopia
201	Calcareous reefs, local winds	Red Sea, Saudi Arabia, Sudan, Ethiopia, Egypt -- looking northwest
202	Calcareous reefs, local winds, sun glitter	Red Sea, Saudi Arabia, Yemen, Ethiopia
207	Coastal deposits	Somali Republic, Ras Azir, Ras Hafun -- looking southwest
208	Surf, sun glitter, currents	Socotra Island
213	Irregular coast, coastal sediments	Hispaniola, Haiti

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
214	Irregular coast, coastal sediments	Hispaniola, Haiti, Dominican Republic
218	Coastal sediments, coastal deposits, delta	Mouth of Mississippi River, Louisiana to Vicksburg
219	Coastal sediments, coastal deposits	Mouth of Mississippi River, Mobile to Cape San Blas, Florida
225	Sun glitter	Canary Islands -- looking east
226	Sun glitter	Canary Islands -- looking east
227	Sun glitter	Canary Islands -- looking east
228	Sun glitter, island wake, coastal stratus	Canary Islands, African coast
229	Sun glitter, island wake, coastal stratus	Canary Islands, African coast
230	Sun glitter, island wake, coastal stratus, large waves	Canary Islands, African coast
231	Sun glitter, island wake, coastal stratus, large waves	Canary Islands, African coast
232	Sun glitter, island wake, coastal stratus, large waves	Canary Islands, African coast
245	Calcareous islands	Ryukyu Islands, Sakishima Gunto Group, Iriomote Jima, Ishigaki Shima
250	Coastal sediments, island wake	China, Fukien Province, Amoy City, Quemoy Island, Formosa Strait, Taiwan -- looking southeast
252	Coastal sediments, island wake, oceanic cumulus	China, Taiwan, Formosa Strait, Fukien Province -- looking south
253	Coastal sediments	Taiwan -- looking south

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
260	Bénard cells, coastal sediments, currents, cumulus	Guiana, Venezuela,, Trinidad, mouths of Orinoco and Essequibo Rivers
261	Bénard cells, coastal sediments, currents, cumulus	Guiana, Surinam coast, Paramaribo
262	Bénard cells, coastal sediments, currents, cumulus	Surinam coast, Paramaribo
263	Bénard cells, coastal sediments, currents, cumulus	Surinam, French Guiana
273	Coastal sediments	Indonesia, Sumatra, Malaysia, Straits of Malacca
274	Coastal sediments	Indonesia, Malaysia, Straits of Malacca, Gulf of Siam
278	Irregular coastline	Iran, Saudi Arabia, Muscat & Oman, Arabian Sea, Persian Gulf
279	Irregular coastline	Iran, Saudi Arabia, Muscat & Oman, Arabian Sea, Persian, Gulf of Oman, Empty Quarter
280	Irregular coastline	Iran, Saudi Arabia, Muscat & Oman, Pakistan, India -- looking northeast
281	--	Iran, Pakistan, India, Muscat & Oman Arabian Sea -- looking northeast
282	Bénard cells	Pakistan, India, Arabian Sea, Indus River Valley, Rann of Kutch
283	Bénard cells	India, Ceylon, Maldive Islands, Arabian Sea, Bay of Bengal

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
284	Bénard cells	India, Ceylon, Maldivé Islands, Arabian Sea, Bay of Bengal
285	Bénard cells	India, Ceylon, Maldivé Islands, Bay of Bengal, Arabian Sea
286	Bénard cells	India Ceylon, Maldivé Islands, Bay of Bengal, Arabian Sea
287	Bénard cells	India, Ceylon, Maldivé Islands, Bay of Bengal, Arabian Sea
288	Bénard cells	India, Ceylon, Maldivé Islands, Bay of Bengal, Arabian Sea
289	Bénard cells	India, Ceylon, Maldivé Islands, Bay of Bengal
290	Bénard cells	India, Ceylon
302	Coastal deposits, calcareous reefs	West coast of Australia, Indonesian Islands -- looking northeast
303	Coastal deposits, calcareous reefs	West coast of Australia, Indonesian Islands -- looking northeast
304	Coastal deposits, calcareous reefs	Western Australia -- looking northeast
305	Coastal deposits, calcareous reefs	Western Australia -- looking northeast
306	Coastal deposits, calcareous reefs	Western Australia -- looking northeast
307	Coastal deposits, calcareous reefs	North Australia, Gulf of Carpentaria -- looking northeast
308	Coastal deposits, calcareous reefs	North Australia, Gulf of Carpentaria -- looking northeast



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
320	Local winds, island clusters	Sudan, Ethiopia, Somali, French Somaliland, Saudi Arabia, Red Sea, Yemen, Gulf of Aden
321	Local winds, island clusters, coastal calcareous reefs	Sudan, Ethiopia, Somali, Saudi Arabia, French Somaliland, Yemen, Red Sea, Gulf of Aden -- looking southeast
322	Local winds, island clusters, coastal calcareous reefs	Sudan, Ethiopia, Somali, Saudi Arabia, French Somaliland, Yemen, Red Sea, Gulf of Aden -- looking southeast
323	Local winds, island clusters, coastal calcareous reefs	Sudan, Ethiopia, Somali, Saudi Arabia, French Somaliland, Yemen, Red Sea, Gulf of Aden -- looking southeast
324	Local winds, island clusters, coastal calcareous reefs	Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, Red Sea, Gulf of Aden -- looking southeast
325	Local winds, island clusters, coastal reefs, sun glitter, coastal currents	Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, Red Sea, Gulf of Aden, South Arabia -- looking southeast
326	Local winds, island clusters, coastal reefs, sun glitter, coastal currents	Somali, South Arabia, Gulf of Aden, Indian Ocean, Socotra Island
327	Local winds, island clusters, coastal reefs, coastal deposits	Somali, South Arabia, Gulf of Aden, Indian Ocean, Socotra Island
328	Bénard cells	Indian Ocean, Arabian Sea, Tip of India and Ceylon
329	Inter-tropical convergence zone, Bénard cells	Indian Ocean, Maldivé Islands, India and Ceylon -- looking east
330	Bénard cells, inter-tropical convergence zone, upper-level clouds	Indian Ocean, Maldivé Islands, India and Ceylon -- looking east



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
331	Bénard cells, inter-tropical convergence zone, upper-level clouds	Indian Ocean, Maldivé Islands, India and Ceylon -- looking northeast
332	Bénard cells, inter-tropical convergence zone, upper-level clouds	Indian Ocean, Maldivé Islands, India and Ceylon -- looking northeast
333	Bénard cells, inter-tropical convergence zone, upper-level clouds	Indian Ocean, west of Australia -- looking northeast
334	Bénard cells, inter-tropical convergence zone, upper-level clouds	Indian Ocean, west of Australia -- looking northeast
335	Bénard cells, inter-tropical convergence zone, upper-level clouds	Indian Ocean west of Australia -- looking northeast
336	Bénard cells, inter-tropical convergence zone, upper-level clouds	Indian Ocean west of Australia -- looking northeast
339	Coastal deposits, sun glitter, coastal haze, contrail	Gulf Coast, Corpus Christi to mouth of the Mississippi River
340	Coastal deposits, sun glitter, coastal haze, contrail	Gulf Coast-Aransas Bay to Mobile Bay, Galveston, Houston
341	Coastal deposits, coastal haze. contrail, convergence	Galveston Bay, Houston, Manned Spacecraft Center, Timber Cove, Nassau Bay, Mouth of Mississippi River
342	Convergence, coastal haze, coastal sediments, delta	Gulf Coast-Vermilion Bay to Pensacola Bay, mouth of Mississippi, New Orleans
343	Convergence, coastal haze, coastal sediments, delta	Gulf Coast-Atchafalya Bay to Apalachicola, New Orleans, Pensacola
344	Convergence, coastal haze, coastal sediments	Gulf coast, Florida, Cape San Blas

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
349	Oceanic cumulus, cumulo-nimbus	Cape Kennedy, Florida coast-Palm Beach to Jacksonville
350	Oceanic cumulus, cumulo-nimbus, agena	--
351	Oceanic cumulus, cumulo-nimbus, agena, Bénard cells	--
361	Coastal lagoons, cloud lines	Saudi Arabia, Muscat and Oman, Trucial Oman, Iran, Empty Quarter, Persian Gulf, Gulf of Oman
362	--	Pakistan, India, Indus Valley, Rann of Kutch, Arabian Sea -- looking N. E.
363	Bénard cells	India, Gujarat State, Gulf of Kutch, Gulf of Cambay, Arabian Sea
364	Bénard cells	India, Ceylon, Maldive Islands, Arabian Sea -- looking east
365	Bénard cells, calcareous reef atolls	India, Maldive Islands, Arabian Sea -- looking east
366	Bénard cells, coastal sediments	India, Arabian Sea, Bay of Bengal
367	Bénard cells, coastal sediments	India, Ceylon, Bay of Bengal
368	Bénard cells, coastal sediments	India, Ceylon, Bay of Bengal
369	Bénard cells, coastal sediments	India, Ceylon, Bay of Bengal
376	Oceanic cumulus	Indonesia -- looking east
377	Oceanic cumulus	Indonesia -- looking east
378	Oceanic cumulus	Indonesia -- looking east
413	Coastal deposits, local winds	Indian Ocean

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
415	Cumulus, Bénard cells	Indian Ocean
416	Cumulus, Bénard cells	Maldiv Islands, Indian Ocean
417	Cumulus, Bénard cells	Maldiv Islands, Indian Ocean
418	Cumulus, Bénard cells, upper-level clouds	Maldiv Islands, Indian Ocean
419	Cumulus, Bénard cells, upper-level clouds	Maldiv Islands, Indian Ocean
420	Cumulus, Bénard cells, upper-level clouds	Maldiv Islands, Indian Ocean, India and Ceylon in background
421	Cumulus, Bénard cells, upper-level clouds	Maldiv Islands, Indian Ocean, India, Ceylon
422	Cumulus, Bénard cells, upper-level clouds	Indian Ocean
423	Cumulus, Bénard cells, upper-level clouds	Indian Ocean
424	Cumulus, Bénard cells, upper-level clouds	Indian Ocean
425	Cumulus, Bénard cells, upper-level clouds	Indian Ocean
434	Sun glitter, agena, eddies, coastal deposits, currents	Gulf of California, Baja California at La Paz, Sinaloa near Los Mochis
437	Bénard cells, sun glitter, agena	Pacific Ocean
438	Bénard cells, sun glitter, agena	Pacific Ocean
439	Bénard cells, sun glitter, agena	Pacific Ocean
440	Bénard cells, sun glitter, agena	Pacific Ocean

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
442	Strato-cumulus, coastal deposits, agena	Baja California
443	Strato-cumulus, cumulus, agena	Mexico Pacific coast
444	Strato-cumulus, cumulus, agena	Mexico Pacific coast
445	Calcareous reef atoll	Maldiv Islands, Suvadiva Atoll
446	Calcareous reef atoll	Andaman Islands, Bay of Bengal
447	Coastal sediments, coastal deposits, delta	Burma, mouths of Irrawaddy and Rangoon Rivers -- looking north
448	Coastal sediments, coastal deposits, delta	Burma, mouths of Irrawaddy and Rangoon Rivers -- looking north
449	Coastal sediments, coastal deposits, delta	Burma, mouths of Irrawaddy and Rangoon Rivers -- looking north
450	Coastal sediments, coastal deposits, delta	Burma, mouths of Irrawaddy and Rangoon Rivers -- looking north
460	Coastal reefs, coastal sediments, currents	Florida, Bahamas, Cape Kennedy, Cuba
461	Upper-level clouds, coastal deposits, irregular coast, contrail	Baja California, Gulf of California, Mexico, New Mexico, Arizona
462	Upper-level clouds, coastal deposits, contrail	Baja California, Gulf of California, Mexico, New Mexico
505	Bénard cells, coastal calcareous reefs	Florida, Florida Keys, Florida Straits
506	Bénard cells, coastal calcareous reefs	Cuba, Florida Keys, Cay Sal Bank
507	Bénard cells, coastal calcareous reefs	Cuba
508	Bénard cells, coastal calcareous reefs	Cuba, Old Bahama Channel, Great Bahama Bank

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
509	Bénard cells, coastal calcareous reefs, sun glitter	Cuba, Yucatan, Gulf of Honduras, Honduras, Pacific Ocean
510	Bénard cells, coastal calcareous reefs, sun glitter	Cuba, Jamaica, Gulf of Honduras, Honduras, Pacific Ocean
511	Bénard cells, coastal calcareous reefs, sun glitter, currents	Cuba, Jamaica-- looking west
515	Oceanic cumulus	Pacific Ocean, Hawaiian Chain
516	Oceanic cumulus, calcareous reef atolls	Pacific Ocean, Hawaiian Chain-Pearl and Hermes Reef, Salmon Bank
517	Oceanic cumulus, sun glitter	Pacific Ocean, Hawaiian Chain
525	Coastal deposits, coastal calcareous reefs, sun glitter, currents	Florida, Bahamas, Cuba
526	Coastal deposits, coastal calcareous reefs, sun glitter, currents	Florida, Bahamas, Cuba
527	Coastal deposits, sun glitter, coastal calcareous reefs, currents	Florida, Bahamas, Cuba
528	Coastal calcareous reefs, coastal deposits, sun glitter, currents	Florida, Bahamas, Cuba
529	Coastal calcareous reefs, sun glitter, coastal deposits, currents	Florida, Bahamas, Cuba
530	Coastal calcareous reefs, sun glitter, coastal deposits, currents	Florida, Bahamas, Cuba
531	Coastal deposits, currents, sun glitter, coastal calcareous reefs	Florida, Bahamas, Cuba
532	Coastal deposits, currents, sun glitter, coastal calcareous reefs	Florida, Bahamas, Cuba
533	Coastal deposits, currents, sun glitter, coastal calcareous reefs	Florida, Bahamas, Cuba

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
539	Coastal deposits	Florida
540	Coastal deposits, calcareous reefs	Florida, Everglades, Keys
541	Coastal deposits	Florida, Cape Kennedy
542	Coastal deposits, calcareous reefs	Florida, Cape Kennedy
559	Irregular coast, local winds, sun glitter, calcareous reefs, coastal sediments	Red Sea, Saudi Arabia, Egypt, Nile Valley, Sinai
560	Irregular coastline, calcareous reefs, local winds, coastal sediments	Persian Gulf, Iran
561	Irregular coast, calcareous reefs, local winds, coastal sediments	Persian Gulf, Iran, Qeshm Island
562	Irregular coast, calcareous reefs, local winds, coastal sediments	Persian Gulf, Gulf of Oman, Iran, Qeshm Island, Trucial Oman
563	Irregular coast, calcareous reefs, local winds, coastal sediments	Persian Gulf, Gulf of Oman, Qeshm Island, Iran, Trucial Oman
583	Strato-cumulus, coastal deposits, local winds	Baja California, Mexico
584	Strato-cumulus, coastal deposits, local winds	Baja California, Mexico
585	Strato-cumulus, coastal deposits, local winds	Baja California, Mexico
586	Strato-cumulus, coastal deposits, local winds	Baja California, Mexico
587	Strato-cumulus	Mexico
613	Oceanic cumulus	Pacific Ocean
614	Oceanic cumulus, Bénard cells	Pacific Ocean



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
615	Oceanic cumulus, Bénard cells	Pacific Ocean
616	Oceanic cumulus	Pacific Ocean
617	Oceanic cumulus	Pacific Ocean
618	Oceanic cumulus	Pacific Ocean
619	Oceanic cumulus	Pacific Ocean
621	Bénard cells, strato-cumulus, cloud eddies	Baja California, Mexico
622	Bénard cells, strato-cumulus, cloud eddies	Baja California, Mexico
623	Bénard cells, strato-cumulus, cloud eddies	Baja California, Mexico
624	Bénard cells, strato-cumulus, irregular coast, coastal cloud eddy	Pacific coast of Mexico
625	Bénard cells, strato-cumulus, irregular coast, coastal cloud eddy	Pacific coast of Mexico
626	Bénard cells, strato-cumulus, irregular coast, coastal cloud eddy, coastal deposits	Pacific coast of Mexico
627	Irregular coast, coastal deposits	Mexico
632	Local winds, coastal sediments, Bénard cells	Southern Mexico, Isthmus of Tehuantepec, Guatemala, Yucatan
633	Coastal deposits, coastal sedi- ments, calcareous reefs	Mexico, Yucatan, Yucatan Straits, Cuba
634	Strato-cumulus, cloud lines	Gulf of Mexico
638	Coastal deposits, local winds, coastal sediments	Florida
639	Coastal deposits, local winds, coastal sediments	Florida



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
640	Coastal deposits, local winds, coastal sediments	Florida
641	Coastal deposits, calcareous reefs, coastal sediments, local winds	Florida, Bahamas
642	Coastal deposits, coastal sediments, calcareous reefs, local winds	Florida, Bahamas
643	Coastal deposits, local winds, coastal sediments, calcareous reefs	Florida, Bahamas
644	Coastal deposits, local winds, coastal sediments, calcareous reefs	Florida, Bahamas
645	Coastal deposits, local winds, coastal sediments, calcareous reefs	Florida, Bahamas
646	Coastal deposits, currents	Florida, Bahamas
647	Coastal deposits, currents	Florida -- looking north
648	Coastal deposits, currents	Florida -- looking north
649	Calcareous reefs, Bénard cells	Florida, Keys, Bahamas
650	Calcareous reefs, Bénard cells	Florida, Bahamas
651	Calcareous reefs, Bénard cells	Bahama Islands
658	Coastal sediments, coastal deposits, contrail	Baja California, Mexico
659	Coastal sediments, coastal deposits, contrail	Baja California, Mexico
676	Local winds, lagoon, currents, discolored water, cumulus	Atlantic Ocean, Florida, Cape Kennedy
677	Local winds, lagoon, currents, discolored water, cumulus	Atlantic Ocean, Florida, Cape Kennedy

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
678	Local winds, lagoon, currents, discolored water, cumulus	Atlantic Ocean, Florida, Cape Kennedy
679	Calcareous reefs, cumulus, cumulonimbus, upper level clouds	Bahamas, Cuba
685	Local winds, surf, Bēnard cells, discolored water	Pacific Ocean, Hawaii
686	Local winds, surf, Bēnard cells, discolored water	Pacific Ocean, Hawaiian Islands, Maui Kahoolawe, Molokai, Oahu, Kauai
696	Local winds	Atlantic Ocean, Canary Islands
697	Local winds	Atlantic Ocean, Canary Islands
698	Bēnard cells, local winds, sun glitter, coastal sediments	Indian Ocean, Somali coast
699	Bēnard cells, local winds, sun glitter, coastal sediments	Indian Ocean, Somali coast
700	Bēnard cells, local winds, sun glitter, coastal sediments	Indian Ocean, Somali coast

## BÉNARD CELLS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
9	Cloud lines	Atlantic Ocean
30	Heavy surf, coastal sediments	Morocco, Ras Rhir, Agadir -- looking NW
31	Oceanic cumulus, local winds	Gulf of Mexico, Texas to Tamaulipas
32	Oceanic cumulus, local winds	Florida -- looking south
37	Oceanic cumulus, local winds	Florida -- looking south
38	Oceanic cumulus, local winds	Florida -- looking south
39	Oceanic cumulus, local winds	Florida -- looking north
40	Oceanic cumulus, local winds, calcareous reefs, coastal sediments	Florida, Bays and Keys
41	Oceanic cumulus, local winds, calcareous reefs, coastal sediments	Florida, Bimini Island, Florida Keys
42	Oceanic cumulus, local winds, calcareous reefs, coastal sediments	Bahama Islands, Andros Island
43	Oceanic cumulus, cloud lines, calcareous reefs	Great Bahama Bank, Great Exuma, Cat and Long Islands
44	Oceanic cumulus, calcareous reefs, cloud lines	Bahamas, Crooked, Acklins, and Long Islands
45	Oceanic cumulus, calcareous reefs, cloud lines	Bahamas, Grand Turk, Caicos Group
54	Oceanic cumulus, cloud lines, coastal sediments	Florida -- looking north, Florida Keys
55	Calcareous reefs	Cuba
56	Calcareous reefs	Cuba
57	Calcareous reefs	Cuba, Guantanamo Bay
59	Coastal deposits, cloud lines	Gulf of Mexico, Tamaulipas to Texas
60	Calcareous reefs, sun glitter	Pacific Ocean, Marshall Islands, Bikini Atoll

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
61	Calcareous reefs, sun glitter	Pacific, Bikini Atoll, Marshall Islands, Rongelap Atoll, Ailinginae Atoll
75	Local winds	Texas Gulf coast, Corpus Christi
84	Oceanic cumulus	Atlantic Ocean southeast of Bermuda
86	Coastal sediments, cloud lines	Hispaniola
87	Cloud lines	Atlantic Ocean east of Lesser Antilles
88	Oceanic cumulus	Atlantic Ocean east of Lesser Antilles
89	Coastal sediments, tropical storm	Brazil, Guianas -- looking southeast
90	Coastal sediments, Hurricane Betsy	Brazil, French Guiana
91	Sun glitter	Pacific Ocean near Wake Island
92	Ship and it's wake	Pacific Ocean north of Hawaii
95	Strato-cumulus, cloud bow wave, von Kármán eddy	Guadalupe Island, Baja California, Gulf of California, Mexico
116	Cloud lines, coastal deposits, barrier islands	Gulf coast, Mobile, Alabama to Pensacola, Florida
120	Cloud lines, coastal deposits, local winds	Florida -- looking southeast
124	Cloud lines, strato-cumulus, smog	California, Malibu to Rosarita Beach
125	Coastal deposits, calcareous reefs	Mexico, Yucatan
127	Coastal sediments, calcareous reefs	Honduras, Nicaragua -- looking SW
139	Cloud lines	Atlantic Ocean, Cape Verde Islands, Boa Vista, Sal, Maio, Sao Tiago
194	High-level clouds	Columbia, Peninsula de la Guajira

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
234	--	Pacific Ocean west of Midway Island
235	Calcareous reef atolls	Pacific Ocean, Midway Island, Kure
236	Calcareous reef atolls	Pacific Ocean, Midway & Kure Islands
237	Calcareous reef atolls	Pacific Ocean, Hermes Reef, Pearl reef
238	Calcareous reef atolls, wind shear in clouds	Maldiv Islands of Suvadiva and Addu, Indian Ocean
239	Calcareous reef atolls, wind shear in clouds	Maldiv Islands of Suvadiva and Addu, Indian Ocean
246	Island wake	Daito Islands, Kita Daito Jima
247	Island wake, sun glitter	Daito Islands, Pacific Ocean
255	--	Pacific Ocean
256	--	Pacific Ocean
258	Coastal sediments, currents, delta, cumulus built up on land and sea	Guianas, Venezuela, Trinidad, mouths of Orinoco and Essequibo rivers
259	Coastal sediments, currents, cumulus built up on land and sea	Guianas, Venezuela, Trinidad, mouth of Orinoco River
260	Coastal sediments, currents, cloud lines, cumulus	Guianas, Venezuela, Trinidad, mouths of Orinoco and Essequibo Rivers
261	Coastal sediments, currents, cloud lines, cumulus	Guianas, Surinam, Paramaribo
262	Coastal sediments, currents, cloud lines, cumulus	Surinam, Paramaribo
263	Coastal sediments, currents, cloud lines, cumulus	Surinam, French Guiana,
264	Coastal deposits	Gulf coast, Matagorda Bay to Boca Jesus Maria

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
265	Coastal deposits	Gulf coast, Corpus Christi Bay to Tamaulipas
266	Coastal sediments	Texas coast, Matagorda Island
267	Coastal sediments	Texas, Louisiana coast, Brazos to Vermilion Bay
268	Agena	--
269	Agena	--
270	Island cluster	Indonesia, Sumatra, Siberut Island
271	Island cluster	Indonesia, Siberut Island, Nias Island
272	Irregular coastline	Indonesia
282	Cloud line	Pakistan, India, Arabian Sea, Indus River Valley, Rann of Kutch
283	Cloud line	India, Ceylon, Maldiv Islands, Arabian Sea, Bay of Bengal
284	Cloud line	India, Ceylon, Maldiv Islands, Arabian Sea, Bay of Bengal
285	Cloud line	India, Ceylon, Maldiv Islands, Arabian Sea, Bay of Bengal
286	Cloud line	India, Ceylon, Maldiv Islands, Arabian Sea, Bay of Bengal
287	Cloud lines	India, Ceylon, Maldiv Islands, Arabian Sea, Bay of Bengal
288	Cloud line	India, Ceylon, Maldiv Islands, Bay of Bengal
289	Cloud line	India, Ceylon, Maldiv Islands, Bay of Bengal

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
290	Cloud line	India, Ceylon
291	Upper-level clouds, inter-tropical convergence zone	Indian Ocean, Ceylon
292	Upper-level clouds, inter-tropical convergence zone	Indian Ocean
293	Upper-level clouds, inter-tropical convergence zone	Indian Ocean
294	Upper-level clouds, inter-tropical convergence zone	Indian Ocean, Sumatra, Java
295	Upper-level clouds, inter-tropical convergence zone	Indian Ocean, Sumatra, Java
296	Upper-level clouds, inter-tropical convergence zone	Indonesia
297	Upper-level clouds, inter-tropical convergence zone	Indonesia
298	Upper-level clouds, inter-tropical convergence zone	Indonesia
299	Upper-level clouds, inter-tropical convergence zone	Indonesia
300	Upper-level clouds, inter-tropical convergence zone	Indonesia
301	Upper-level clouds, inter-tropical convergence zone	Indonesia
328	Cloud lines	Indian Ocean, Arabian Sea, India and Ceylon
329	Cloud lines, inter-tropical convergence zone	Indian Ocean, Maldiv Islands, India and Ceylon



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
330	Cloud lines, inter-tropical convergence zone, upper-level clouds	India, Ceylon, Indian Ocean, Maldiv Islands
331	Cloud lines, inter-tropical convergence zone, upper-level clouds	India, Ceylon, Indian Ocean, Maldiv Islands
332	Cloud lines, inter-tropical convergence zone, upper-level clouds	India, Ceylon, Indian Ocean, Maldiv Islands
333	Cloud lines, inter-tropical convergence zone, upper-level clouds	Indian Ocean west of Australia
334	Cloud lines, inter-tropical convergence zone, upper-level clouds	Indian Ocean west of Australia
335	Cloud lines, inter-tropical convergence zone, upper-level clouds	Indian Ocean west of Australia
336	Cloud lines, inter-tropical convergence zone, upper-level clouds	Indian Ocean west of Australia
351	Oceanic cumulus, cumulonimbus, cloud lines, agena	--
363	Cloud lines	India, Gulf of Kutch, Gulf of Cambay, Arabian Sea
364	Cloud lines	India, Ceylon, Maldiv Islands, Arabian Sea
365	Cloudlines, calcareous reef atolls	India, Maldiv Islands, Arabian Sea
366	Cloud lines, coastal sediments	India, Arabian Sea, Bay of Bengal
367	Cloud lines, coastal sediments	India, Ceylon, Bay of Bengal
368	Cloud lines, Coastal sediments	India, Ceylon, Bay of Bengal
369	Cloud lines, coastal sediments	India, Ceylon, Bay of Bengal
370	Oceanic cumulus, high-level clouds	Indonesia -- looking northeast

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
371	Oceanic cumulus, high-level clouds	Indonesia -- looking northeast
372	Oceanic cumulus, high-level clouds, inter-tropical convergence zone	Indonesia
373	Oceanic cumulus, high-level clouds, inter-tropical convergence zone	Indonesia
374	Oceanic cumulus, high-level clouds, inter-tropical convergence zone, coastal sediments	Indonesia
375	Oceanic cumulus, high-level clouds, inter-tropical convergence zone, coastal sediments	Indonesia
415	Cumulus, cloud lines	Indian Ocean
416	Cumulus, cloud lines	Maldiv Islands, Indian Ocean
417	Cumulus, cloud lines	Maldiv Islands, Indian Ocean
418	Cumulus, cloud lines, upper-level clouds	Maldiv Islands, Indian Ocean
419	Cumulus, cloud lines, upper-level clouds	Maldiv Islands, Indian Ocean
420	Cumulus, cloud lines, upper-level clouds	Maldiv Islands, Indian Ocean
421	Cumulus, cloud lines, upper-level clouds	Maldiv Islands, Indian Ocean, India, Ceylon
422	Cumulus, cloud lines, upper-level clouds	Indian Ocean
423	Cumulus, cloud lines, upper-level clouds	Indian Ocean
424	Cumulus, cloud lines, upper-level clouds	Indian Ocean

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
425	Cumulus, cloud lines, upper-level clouds	Indian Ocean
430	Scattered strato-cumulus, cumulus	Pacific Ocean west of Mexico
431	Strato-cumulus, agena	Pacific Ocean near Mexico
432	Strato-cumulus, agena	Pacific Ocean near Mexico
433	Strato-cumulus, agena	Pacific Ocean near Mexico
437	Cloud line, sun glitter	Pacific Ocean
438	Cloud lines, sun glitter	Pacific Ocean
439	Cloud lines, sun glitter	Pacific Ocean
440	Cloud lines, sun glitter	Pacific Ocean
487	Irregular coast, deposition, strato-cumulus, sun glitter, high-level clouds	Baja California, Mexico
488	Irregular coast, coastal deposits, strato-cumulus, sun glitter, high-level clouds, currents	Baja California, Mexico
489	Irregular coast, coastal deposits, strato-cumulus, sun glitter, high-level clouds, currents	Baja California, Mexico
490	Irregular coast, coastal deposits, strato-cumulus, sun glitter, high-level clouds, currents	Baja California, Mexico
491	Irregular coast, coastal deposits, strato-cumulus, sun glitter, high-level clouds , currents	Baja California, Mexico
492	Irregular coast, coastal deposits, strato-cumulus, sun glitter, high-level clouds, currents	Baja California, Mexico

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
493	Irregular coast, coastal deposits, strato-cumulus, sun glitter, high-level clouds, currents	Baja California, Mexico
494	Irregular coast, coastal deposits, strato-cumulus, sun glitter, high-level clouds, currents	Baja California, Mexico
495	Irregular coast, coastal deposits, strato-cumulus, sun glitter, high-level clouds, currents	Baja California, Mexico
496	Irregular coast, coastal deposits, strato-cumulus, sun glitter, high-level clouds, currents	Baja California, Mexico
497	Irregular coast, coastal deposits, strato-cumulus, sun glitter, high-level clouds, currents	Baja California, Mexico
505	Cloud lines, coastal calcareous reefs	Cuba, Florida, Keys, Straits, Cay Sal Bank
506	Cloud lines, calcareous reefs	Florida, Keys, Straits, Cay Sal Bank, Cuba
507	Cloud lines, calcareous reefs	Cuba
508	Cloud lines, calcareous reefs	Cuba, Old Bahama Channel, Great Bahama Bank
509	Cloud lines, coastal calcareous reefs, sun glitter	Cuba, Yucatan, Gulf of Honduras, Honduras, Pacific Ocean
510	Cloud lines, coastal calcareous reefs, sun glitter	Cuba, Jamaica, Gulf of Honduras, Honduras, Pacific Ocean
511	Cloud lines, coastal currents, calcareous reefs, sun glitter	Cuba, Jamaica -- looking west
512	Oceanic cumulus	Bahama Islands, Great Inagua, Acklins, Mayaguana, Caicos

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
513	Oceanic cumulus	Bahama Islands, Great Inagua, Acklins, Mayaguana, Caicos
514	Oceanic cumulus, calcareous reefs	Bahamas, Grand Turk, Caicos
550	Oceanic cumulus, strato-cumulus, sun glitter, island clusters	Indonesia, Timor Sea, Arafura Sea
564	Coastal cloud eddy, von Kármán eddies	Guadalupe Island, Baja California
565	Coastal cloud eddy, von Kármán eddies	Guadalupe Island, Baja California
566	Coastal cloud eddy, von Kármán eddies	Guadalupe Island, Baja California
567	Coastal cloud eddy, von Kármán eddies	Guadalupe Island, Baja California
579	Oceanic cumulus, sun glitter	--
580	Oceanic cumulus, sun glitter	--
581	Oceanic cumulus, sun glitter	--
582	Oceanic cumulus, sun glitter, currents	--
608	Strato-cumulus, oceanic cumulus, Bénard cells	--
609	Strato-cumulus, oceanic cumulus,	--
614	Oceanic cumulus, cloud lines	Pacific Ocean
615	Oceanic cumulus, cloud lines	Pacific Ocean
620	Oceanic cumulus, strato-cumulus	Pacific Ocean

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
621	Cloud lines, strato-cumulus, cloud eddies	Baja California, Mexico
622	Cloud lines, strato-cumulus, cloud eddies	Baja California, Mexico
623	Cloud lines, strato-cumulus, cloud eddies	Baja California, Mexico
624	Irregular coastline, cloud lines, strato-cumulus , coastal cloud eddy	Pacific coast of Mexico
625	Irregular coastline, cloud lines, strato-cumulus, coastal cloud eddy	Pacific coast of Mexico
626	Irregular coastline, cloud lines, strato-cumulus, coastal cloud eddy, coastal deposits	Pacific coast of Mexico
632	Local winds, coastal sediments, cloud lines	Mexico, Isthmus of Tehuantepec, Guatemala, Yucatan
649	Calcareous reefs, cloud lines	Florida Keys, Florida, Bahamas
650	Calcareous reefs, cloud lines	Bahama Islands
651	Calcareous reefs, cloud lines	Bahama Islands
685	Local winds, surf, cloud lines, discolored water	Pacific Ocean, Hawaii
686	Local winds, surf, cloud lines, discolored water	Pacific Ocean, Hawaiian Islands, Maui, Kahoolawe, Molokai, Oahu, Kauai
692	Stratus, wind shear in clouds	Southern Mexico
698	Local winds, cloud lines, sun glitter, coastal sediments	Indian Ocean, Somali coast

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
699	Local winds, cloud lines, sun glitter, coastal sediments	Indian Ocean, Somali coast
700	Local winds, cloud lines, sun glitter, coastal sediments	Indian Ocean, Somali coast
701	Strato-cumulus, cumulus, cloud eddies	Indian Ocean west of Australia
702	Strato-cumulus, cumulus, cloud eddies	Indian Ocean west of Australia
703	Strato-cumulus, cumulus cloud eddies	Indian Ocean west of Australia
704	Strato-cumulus, cumulus cloud eddies	Indian Ocean, Australia



# EDDIES

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
58	--	Gulf of California, Mexico
138	Surf	Morocco south of Agadir
140	Strato-cumulus	Atlantic Ocean, Cape Verde Islands, Sao Nico Lau, Santo Antao, Fogo
257	--	Spain, Portugal, Morocco, Straits of Gibraltar
391	Strato-cumulus	Morocco, Algeria, Ras Rhir, Agadir, Anti Atlas Mountains
392	Strato-cumulus	Morocco, Algeria, Ras Rhir, Agadir
564	Bénard cells, von Kármán eddies	Guadalupe Island, Baja California
565	Bénard cells, von Kármán eddies	Guadalupe Island, Baja California
566	Bénard cells, von Kármán eddies	Guadalupe Island, Baja California
567	Bénard cells, von Kármán eddies	Guadalupe Island, Baja California
621	Cloud lines, Bénard cells, strato-cumulus	Pacific Ocean, west of Baja California
622	Cloud lines, Bénard cells, strato-cumulus	Pacific Ocean west of Baja California
623	Cloud lines, Bénard cells, strato-cumulus	Pacific Ocean west of Baja California
624	Cloud lines, Bénard cells, strato-cumulus, irregular coastline	Pacific coast of Mexico
625	Cloud lines, Bénard cells, strato-cumulus, irregular coastline	Pacific coast of Mexico
626	Cloud lines, Bénard cells, strato-cumulus, irregular coastline, coastal deposits	Pacific coast of Mexico

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
687	Cumulus, stratus, von Kármán eddies	Indian Ocean southeast of Madagascar
688	Cumulus, stratus, von Kármán eddies	Pacific Ocean off coast of Baja California
689	Cumulus, stratus, von Kármán eddies	Pacific Ocean, Guadalupe Island
701	Strato-cumulus, cumulus, Bénard cells	Indian Ocean west of Australia
702	Strato-cumulus, cumulus, Bénard cells	Indian Ocean west of Australia
703	Strato-cumulus, Bénard cells, cumulus	Indian Ocean west of Australia
704	Strato-cumulus, Bénard cells, cumulus	Indian Ocean, Australia

## VON KÁRMÁN EDDIES

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
94	Coastal strato-cumulus, cloud bow wave	Baja California, Mexico, Vizcaino Bay
95	Strato-cumulus, cloud bow wave, Bénard cells	Guadalupe Island, Baja California, Mexico
564	Coastal cloud eddy, Bénard cells	Guadalupe Island, Baja California
565	Coastal cloud eddy, Bénard cells	Guadalupe Island, Baja California
566	Coastal cloud eddy, Bénard cells	Guadalupe Island, Baja California
567	Coastal cloud eddy, Bénard cells	Guadalupe Island, Baja California
687	Cumulus, stratus, cloud eddies	Indian Ocean, southeast of Madagascar
688	Cumulus, stratus, cloud eddies	Pacific Ocean off coast of Baja California
689	Cumulus, stratus, cloud eddies	Pacific Ocean, Guadalupe Island



## CUMULUS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
111	Coastal sediment, coastal deposits	North coast of Australia, Wessel Islands
185	Local winds	Venezuela, Peninsula de Araya, Isla de Margarita y Coche
258	Delta, Bénard cells, currents, coastal sediments	Guaianass, Venezuela, Trinidad, mouth of Orinoco and Essequibo Rivers
259	Bénard cells, currents, coastal sediments	Guaianass, Venezuela, Trinidad, mouth of Orinoco River
260	Cloud lines , currents, Bénard cells, coastal sediments	Guianass, Venezuela, Trinidad, mouth of Orinoco and Essequibo Rivers
261	Cloud lines, currents, Bénard cells, coastal sediments	Atlantic Ocean, Guianass, Surinam, Paramaribo
262	Cloud lines, currents, Bénard cells, coastal sediments	Atlantic Ocean, Surinam, Paramaribo
263	Cloud lines, currents, Bénard cells, coastal sediments	Atlantic Ocean, Surinam, French Guiana
338	Strato-cumulus	Gulf of Mexico, Texas, Mexico
345	Sun glitter, strato-cumulus, coastal deposits	Florida
346	Sun glitter, strato-cumulus, coastal deposits	Florida
347	Sun glitter, strato-cumulus, coastal deposits	Florida
348	Sun glitter, strato-cumulus, coastal deposits	Florida
415	Bénard cells, cloud lines	Indian Ocean
416	Bénard cells, cloud lines	Maldiva Islands, Indian Ocean
417	Bénard cells, cloud lines	Maldiva Islands, Indian Ocean
418	Bénard cells, cloud lines, upper-level clouds	Maldiva Islands, Indian Ocean

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
419	Bénard cells, cloud lines, upper-level clouds	Maldiv Islands, Indian Ocean
420	Bénard cells, cloud lines, upper-level clouds	Maldiv Islands, Indian Ocean, India, Ceylon
421	Bénard cells, cloud lines, upper-level clouds	Maldiv Islands, Indian Ocean, India, Ceylon
422	Bénard cells, cloud lines, upper-level clouds	Indian Ocean
423	Bénard cells, cloud lines, upper-level clouds	Indian Ocean
424	Bénard cells, cloud lines, upper-level clouds	Indian Ocean
425	Bénard cells, cloud lines, upper-level clouds	Indian Ocean
430	Scattered strato-cumulus, agena, Bénard cells	Pacific Ocean near Mexico
443	Strato-cumulus, cloud lines, agena	Pacific coast of Mexico
444	Strato-cumulus, cloud lines, agena	Pacific coast of Mexico
675	Local winds, lagoon, surf	Atlantic Ocean, Florida, Jacksonville
676	Local winds, lagoon, currents, cloud lines, discolored water	Atlantic Ocean, Florida, Cape Kennedy
677	Local winds, lagoon, currents, cloud lines, discolored water	Atlantic Ocean, Florida, Cape Kennedy
678	Local winds, lagoon, currents, cloud lines, discolored water	Atlantic Ocean, Florida, Cape Kennedy
679	Calcareous reefs, cloud lines, cumuluonimbus, upper-level clouds	Bahama Islands, Cuba

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
680	Coastal sediments, currents, surf, coastal deposits	Indian Ocean, Somali coast
687	Stratus, cloud eddies, von Kármán eddies	Indian Ocean southeast of Madagascar
688	Stratus, cloud eddies, von Kármán eddies	Pacific Ocean off coast of Baja California
689	Stratus, cloud eddies, von Kármán eddies	Pacific Ocean, Guadalupe Island
701	Strato-cumulus, Bénard cells, cloud eddies	Indian Ocean west of Australia
702	Strato-cumulus, Bénard cells, cloud eddies	Indian Ocean west of Australia
703	Strato-cumulus, Bénard cells, cloud eddies	Indian Ocean, Australia
704	Strato-cumulus, Bénard cells, cloud eddies	Indian Ocean, Australia
705	Upper-level clouds, sun glitter	Mexico





# OCEANIC CUMULUS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
6	Calcareous reefs, cloud lines	Bahamas, Great Exuma
8	--	Atlantic Ocean
10	--	Indian Ocean
31	Bénard cells, local winds	Gulf of Mexico coast from Texas to Tamaulipas
32	Bénard cells, local winds	Florida -- looking south
37	Bénard cells, local winds	Florida -- looking south
38	Bénard cells, local winds	Florida -- looking south
39	Bénard cells, local winds	Florida -- looking south
40	Bénard cells, local winds, calcareous reefs, coastal sediments	Florida Bays, Florida Keys, Florida
41	Bénard cells, local winds, coastal sediments, calcareous reefs	Florida, Bimini Island, Florida Keys
42	Bénard cells, local winds, coastal sediments, calcareous reefs	Bahama Islands, Andros Island
43	Calcareous reefs, cloud lines, Bénard cells	Great Bahama Bank, Great Exuma, Cat, and Long Islands
44	Bénard cells, cloud lines, calcareous reefs	Bahamas, Crooked, Acklins, and Long Islands
45	Bénard cells, cloud lines, calcareous reefs	Bahamas, Grand Turk, Caicos Group
54	Cloud lines, Bénard cells, coastal sediments	Florida -- looking north, Florida Keys
82	Cloud lines, local winds	Florida -- looking south
83	--	Atlantic Ocean southeast of Bermuda

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
84	Bénard cells	Atlantic Ocean southeast of Bermuda
88	Bénard cells	Atlantic Ocean east of Lesser Antilles
126	Local winds	Mexico, Yucatan, British Honduras
252	Coastal sediments, island wake, cloud lines	China, Taiwan, Formosa Strait, Fukien Province
337	--	Mexico
349	Cumulonimbus, cloud lines	Florida, Cape Kennedy
350	Cumulonimbus, cloud lines, agena	--
351	Cumulonimbus, cloud lines, agena, Bénard cells	--
370	Bénard cells, high-level clouds	Indonesia
371	Bénard cells, high-level clouds	Indonesia
372	Bénard cells, high-level clouds, inter-tropical convergence zone	Indonesia
373	Bénard cells, high-level clouds, inter-tropical convergence zone	Indonesia
374	Bénard cells, high-level clouds, inter-tropical convergence zone, coastal sediments	Indonesia
375	Bénard cells, high-level clouds, inter-tropical convergence zone, coastal sediments	Indonesia
376	Cloud lines	Indonesia -- looking east
377	Cloud lines	Indonesia -- looking east
378	Cloud lines	Indonesia -- looking east

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
386	--	Timor Sea -- looking north
387	--	Australia west coast
388	--	Australia west coast
389	--	Australia west coast
390	--	Australia west coast
414	--	Indian Ocean
512	Bénard cells	Bahama Islands
513	Bénard cells	Bahama Islands
514	Bénard cells, calcareous reefs	Bahama Islands
515	Cloud lines	Pacific Ocean, Hawaiian chain
516	Cloud lines, calcareous reefs	Pacific Ocean, Hawaiian chain
517	Cloud lines, sun glitter	Pacific Ocean, Hawaiian chain
548	Sun glitter, strato-cumulus	Indonesia
549	Sun glitter, strato-cumulus	Indonesia
550	Sun glitter, strato-cumulus, Benard cells, island clusters	Indonesia
579	Bénard cells, agena, sun glitter	--
580	Bénard cells, sun glitter	--
581	Bénard cells, sun glitter	--
582	Bénard cells, sun glitter, currents	--
602	Upper-level clouds	--
603	Upper-level clouds	--
604	Strato-cumulus	--
605	Strato-cumulus	--

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
606	Strato-cumulus	--
607	Strato-cumulus	--
608	Strato-cumulus, Bénard cells	--
609	Strato-cumulus, Bénard cells	--
613	Cloud lines	Pacific Ocean
614	Cloud lines, Bénard cells	Pacific Ocean
615	Cloud lines, Bénard cells	Pacific Ocean
616	Cloud lines	Pacific Ocean
617	Cloud lines	Pacific Ocean
618	Cloud lines	Pacific Ocean
619	Cloud lines	Pacific Ocean
620	Strato-cumulus, Bénard cells	Pacific Ocean

STRATO-CUMULUS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
93	Smog	California, San Luis Obispo to Ensenada
94	Bow wave, von Kármán eddies	Baja California, Mexico, Vizcaino Bay
95	Bénard cells, bow wave, von Kármán eddies	Guadalupe Island, Baja California, Mexico
96	Lagoon, coastal sediments	Baja California, Scammon Lagoon, Vizcaino Bay, Mexico
99	Irregular coastline, coastal deposits, coastal sediments, sun glitter dis-colored water	Baja California, Mexico, Vizcaino Bay, Tiburon Island
183	Calcareous reefs	Bahamas, Andros Island, Abaco Island, New Providence Island
140	Coastal cloud eddies	Cape Verde Islands, Sao Nico Lau, Santo Antao, Fogo
124	Benard cells, cloud lines, smog	California, Malibu to Rosarita Beach
233	--	Spanish Sahara, Morocco, Fuerteventura Island
338	Cumulus	Texas, Mexico coast
345	Sun glitter, cumulus, coastal deposits	Florida, Cape Kennedy
346	Sun glitter, cumulus, coastal deposits	Florida, Cape Kennedy
347	Sun glitter, cumulus, coastal deposits	Florida, Gulf to Atlantic coasts
348	Sun glitter, cumulus, coastal deposits	Central Florida
355	Cumulonimbus, typhoon (Elsie)	Pacific Ocean southeast of Japan

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
391	Coastal eddy	Morocco, Ras Rhir, Agadir
392	Coastal Eddy	Morocco, Ras Rhir, Agadir
426	--	Indian Ocean
430	Cumulus, agena, Bénard cells	Pacific Ocean near Mexico
431	Incipient Bénard cells	Pacific Ocean near Mexico
432	Bénard cells, agena	Pacific Ocean near Mexico
433	Bénard cells, agena	Pacific Ocean near Mexico
441	Agena	Pacific Ocean
442	Cloud lines, coastal deposits, agena	Baja California
443	Cumulus, cloud line, agena	Pacific Ocean, Mexico coast
444	Cumulus, cloud line, agena	Pacific coast of Mexico
487	Irregular coastline, coastal deposits, Bénard cells, sun glitter, high-level clouds	Baja California, Mexico
488	Irregular coastline, coastal deposits, Bénard cells, sun glitter, coastal currents, high-level clouds	Baja California, Mexico
489	Irregular coastline, coastal deposits, Bénard cells, sun glitter, coastal currents, high-level clouds	Baja California, Mexico
490	Irregular coastline, coastal deposits, Bénard cells, sun glitter, coastal currents, high-level clouds	Baja California, Mexico
491	Irregular coastline, coastal deposits, Bénard cells, sun glitter, coastal currents, high-level clouds	Baja California, Mexico



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
492	Irregular coastline, coastal deposits, Bénard cells, sun glitter, coastal currents, high-level clouds	Baja California, Mexico
493	Irregular coastline, coastal deposits, Bénard cells, sun glitter, coastal currents, high-level clouds	Baja California, Mexico
494	Irregular coastline, coastal deposits, Bénard cells, sun glitter, coastal currents, high-level clouds	Baja California, Mexico
495	Irregular coastline, coastal deposits, Bénard cells, sun glitter, coastal currents, high-level clouds	Baja California, Mexico
496	Irregular coastline, coastal deposits, Bénard cells, sun glitter, coastal currents, high-level clouds	Baja California, Mexico
497	Irregular coastline, coastal deposits, Bénard cells, sun glitter, coastal currents, high-level clouds	Baja California, Mexico
537	Coastal sediments	Texas coast, Baffin Bay to Matagorda Bay
538	Coastal sediments	Texas coast, Matagorda Bay
543	Irregular coastline, cloud bow wave, sun glitter	Baja California, Gulf of California, Mexico
544	Irregular coastline, sun glitter, cloud bow wave	Baja California, Gulf of California, Mexico
545	Irregular coastline, sun glitter, cloud bow wave	Baja California, Gulf of California, Mexico
546	Irregular coastline, sun glitter, cloud bow wave	Baja California, Gulf of California, Mexico

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
547	Sun glitter	Indian Ocean
548	Oceanic cumulus, sun glitter	Indonesia, Timor Sea, Arafura Sea
549	Oceanic cumulus, sun glitter	Indonesia, Timor Sea, Arafura Sea
550	Oceanic cumulus, sun glitter, island clusters, Bénard cells	Indonesia, Timor Sea, Arafura Sea
583	Cloud lines, coastal deposits, local winds	Baja California, Mexico
584	Cloud lines, coastal deposits, local winds	Baja California, Mexico
585	Cloud lines, coastal deposits, local winds	Baja California, Mexico
586	Cloud lines, coastal deposits, local winds	Baja California, Mexico
587	Cloud lines	Mexico
604	Oceanic cumulus	--
605	Oceanic cumulus	--
606	Oceanic cumulus	--
607	Oceanic cumulus	--
608	Oceanic cumulus, Bénard cells	--
609	Oceanic cumulus, Bénard cells	--
620	Oceanic cumulus, Bénard cells	Pacific Ocean
621	Cloud lines, Bénard cells, cloud eddies	Baja California, Mexico
622	Cloud lines, Bénard cells, cloud eddies	Baja California, Mexico
623	Cloud lines, Bénard cells, cloud eddies	Baja California, Mexico
624	Cloud lines, Bénard cells, coastal cloud eddy, irregular coastline	Pacific coast of Mexico

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
625	Cloud lines, Bénard cells, coastal cloud eddy, irregular coast line	Pacific coast of Mexico
626	Cloud lines, Bénard cells, coastal cloud eddy, irregular coastline , coastal deposits	Pacific coast of Mexico
634	Cloud lines	Gulf of Mexico
635	--	Gulf of Mexico
636	--	Gulf of Mexico
637	--	Gulf of Mexico
701	Cumulus, Bénard cells, cloud eddies	Indian Ocean west of Australia
702	Cumulus, Bénard cells, cloud eddies	Indian Ocean west of Australia
703	Cumulus, Bénard cells, cloud eddies	Indian Ocean, Australia
704	Cumulus, Bénard cells, cloud eddies	Indian Ocean, Australia



CUMULONIMBUS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
349	Oceanic cumulus, cloud lines	Florida, Cape Kennedy
350	Oceanic cumulus, cloud lines, agena	--
351	Oceanic cumulus, cloud lines, agena, Bénard cells	--
355	Strato-cumulus, typhoon(Elsie)	Pacific Ocean southeast of Japan
679	Calcareous reefs, cumulus, cloud lines, upper-level clouds	Bahama Islands, Cuba



# STRATUS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
24	Coastline	Aden Protectorate, Gulf of Aden, Ras Asir, Somali
25	Coastline, ancient city of Shibam	Aden Protectorate, Gulf of Aden
26	Coastline	Aden Protectorate, Gulf of Aden
46	Coastline	Baja California, Mexico, La Paz
81	--	California, Baja California, Gulf of California, Mexico, Arizona
228	Cloud lines, sun glitter, island wake	Canary Islands, African coast
229	Cloud lines, sun glitter, island wake	Canary Islands, African coast
230	Large waves, cloud lines, island wake, sun glitter	Canary Islands, African coast
231	Waves, sun glitter, cloud lines, island wake	Canary Islands, African coast
232	Waves, sun glitter, cloud lines, island wake	Canary Islands, African coast
687	Cumulus, cloud eddies, von Kármán eddies	Indian Ocean southeast of Madagascar
688	Cumulus, cloud eddies, von Kármán eddies	Pacific Ocean off coast of Baja California
689	Cumulus, cloud eddies, von Kármán eddies	Pacific Ocean, Guadalupe Island
692	Bénard cells, wind shear in clouds	Southern Mexico





## CONVERGENCES

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
341	Coastal deposits, cloud lines, coastal haze, contrail	Gulf coast, Galveston, to Mobile Bay, Houston, Nassau Bay, Mississippi River
342	Coastal sediments, cloud lines, coastal haze, delta	Gulf coast, Vermilion Bay to Pensacola Bay, Mouth of Mississippi, New Orleans
343	Coastal sediments, cloud lines, coastal haze, delta	Gulf coast, Atchafalya Bay to Apalachicola, mouth of Mississippi, New Orleans, Pensacola
344	Coastal sediments, cloud lines, coastal haze	Gulf coast, Florida, Cape San Blas
478	Coastal sediments, coastal deposits, coastal currents, coastal eddies, delta	Texas, Louisiana coast
479	Coastal sediments, coastal deposits, coastal currents, coastal eddies, delta	Texas, Louisiana coast
480	Coastal sediments, coastal deposits, coastal currents, coastal eddies, delta	Texas, Louisiana coast
481	Coastal sediments, coastal deposits, coastal currents, coastal eddies, delta	Texas, Louisiana coast
482	Coastal sediments, coastal deposits, coastal currents, coastal eddies, delta	Texas, Louisiana coast



## INTER-TROPICAL CONVERGENCE ZONES

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
291	Bénard cells, upper-level clouds	Indian Ocean, Ceylon
292	Bénard cells, upper-level clouds	Indian Ocean, Sumatra
293	Bénard cells, upper-level clouds	Indian Ocean, Sumatra
294	Bénard cells, upper-level clouds	Indian Ocean, Sumatra, Java
295	Bénard cells, upper-level clouds	Indian Ocean, Sumatra, Java
296	Bénard cells, upper-level clouds	Indonesian Islands
297	Bénard cells, upper-level clouds	Indonesian Islands
298	Bénard cells, upper-level clouds	Indonesian Islands
299	Bénard cells, upper-level clouds	Indonesian Islands
300	Bénard cells, upper-level clouds	Indonesian Islands
301	Bénard cells, upper-level clouds	Indonesian Islands
329	Bénard cells, cloud lines	Indian Ocean, Maldivé Islands, India, Ceylon
330	Bénard cells, cloud lines, upper-level clouds	Indian Ocean, Maldivé Islands, India, Ceylon
331	Bénard cells, cloud lines, upper-level clouds	Indian Ocean, Maldivé Islands, India, Ceylon
332	Bénard cells, cloud lines, upper-level clouds	Indian Ocean, Maldivé Islands, India, Ceylon
333	Bénard cells, cloud lines, upper-level clouds	Indian Ocean west of Australia
334	Bénard cells, cloud lines, upper-level clouds	Indian Ocean west of Australia

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
335	Bénard cells, cloud lines, upper-level clouds	Indian Ocean west of Australia
336	Bénard cells, cloud lines, upper-level clouds	Indian Ocean west of Australia
372	Bénard cells, oceanic cumulus, high-level clouds	Indonesia
373	Bénard cells, oceanic cumulus, high-level clouds	Indonesia
374	Bénard cells, oceanic cumulus, high-level clouds, coastal sediments	Indonesia
375	Bénard cells, oceanic cumulus, high-level clouds, coastal sediments	Indonesia

## HIGH-LEVEL CLOUDS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
190	Coastal deposits	Florida, Cape Kennedy
192	Sunset	Bolivia--looking southwest to Chile
194	Bénard cells, cloud lines	Columbia, Peninsula de la Guajira
195	Bénard cells, cloud lines	Venezuela, Peninsula de Paraguana, Columbia, Peninsula de la Guajira
291	Bénard cells, inter-tropical convergence zone	Indian Ocean, Ceylon
292	Bénard cells, inter-tropical convergence zone	Indian Ocean, Sumatra
293	Bénard cells, inter-tropical convergence zone	Indian Ocean, Sumatra
294	Bénard cells, inter-tropical convergence zone	Indian Ocean, Sumatra, Java
295	Bénard cells, inter-tropical convergence zone	Indian Ocean, Sumatra, Java
296	Bénard cells, inter-tropical convergence zone	Indonesia
297	Bénard cells, inter-tropical convergence zone	Indonesia
298	Bénard cells, inter-tropical convergence zone	Indonesia
299	Bénard cells, inter-tropical convergence zone	Indonesia
300	Bénard cells, inter-tropical convergence zone	Indonesia
301	Bénard cells, inter-tropical convergence zone	Indonesia

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
330	Bénard cells, cloud lines, inter-tropical convergence zone	Indian Ocean, Maldivé Islands, India, Ceylon
331	Bénard cells, cloud lines, inter-tropical convergence zone	Indian Ocean, Maldivé Islands, India Ceylon
332	Bénard cells, cloud lines, inter-tropical convergence zone	Indian Ocean, Maldivé Islands, India, Ceylon
333	Bénard cells, cloud lines, inter-tropical convergence zone	Indian Ocean west of Australia
334	Bénard cells, cloud lines, inter-tropical convergence zone	Indian Ocean west of Australia
335	Bénard cells, cloud lines, inter-tropical convergence zone	Indian Ocean west of Australia
336	Bénard cells, cloud lines, inter-tropical convergence zone	Indian Ocean west of Australia
370	Bénard cells, oceanic cumulus	Indonesia
371	Bénard cells, oceanic cumulus	Indonesia
372	Bénard cells, oceanic cumulus, inter-tropical convergence zone	Indonesia
373	Bénard cells, oceanic cumulus, inter-tropical convergence zone	Indonesia
374	Bénard cells, oceanic cumulus, inter-tropical convergence zone, coastal sediments	Indonesia
375	Bénard cells, oceanic cumulus, inter-tropical convergence zone, coastal sediments	Indonesia
418	Cumulus, Bénard cells, cloud lines	Maldivé Islands, Indian Ocean



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
419	Cumulus, Bénard cells, cloud lines	Maldiv Islands, Indian Ocean
420	Cumulus, Bénard cells, cloud lines	Indian Ocean, Maldiv Islands
421	Cumulus, Bénard cells, cloud lines	Indian Ocean, Maldiv Islands, India, Ceylon
422	Cumulus, Bénard cells, cloud lines	Indian Ocean
423	Cumulus, Bénard cells, cloud lines	Indian Ocean
424	Cumulus, Bénard cells, cloud lines	Indian Ocean
425	Cumulus, Bénard cells, cloud lines	Indian Ocean
461	Coastal deposits, cloud lines, irregular coastline, contrail	Gulf of California, Baja California, Mexico, Arizona, New Mexico
462	Coastal deposits, cloud lines, contrail	Gulf of California, Baja California, Mexico, Arizona, New Mexico
487	Irregular coastline, coastal deposits, Bénard cells, strato-cumulus, sun glitter, currents	Gulf of California, Baja California, Mexico
488	Irregular coastline, sun glitter, coastal deposits, currents, Bénard cells, strato-cumulus	Gulf of California, Baja California, Mexico
489	Irregular coastline, sun glitter, coastal deposits, currents, Bénard cells, strato-cumulus	Gulf of California, Baja California, Mexico
490	Irregular coastline, sun glitter, Bénard cells, strato-cumulus, coastal deposits, currents	Gulf of California, Baja California, Mexico

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
491	Irregular coastline, sun glitter, coastal deposits, currents, Bénard cells, strato-cumulus	Gulf of California, Baja California, Mexico
492	Irregular coastline, sun glitter, coastal deposits, currents, Bénard cells, strato-cumulus	Gulf of California, Baja California, Mexico
493	Irregular coastline, sun glitter, coastal deposits, currents, Bénard cells, strato-cumulus	Gulf of California, Baja California, Mexico
494	Irregular coastline, sun glitter, coastal deposits, currents, Bénard cells, strato-cumulus	Gulf of California, Baja California, Mexico
495	Irregular coastline, sun glitter, coastal deposits, currents, Bénard cells, strato-cumulus	Gulf of California, Baja California, Mexico
496	Irregular coastline, sun glitter, coastal deposits, currents, Bénard cells, strato-cumulus	Gulf of California, Baja California, Mexico
497	Irregular coastline, sun glitter, coastal deposits, currents, Bénard cells, strato-cumulus	Gulf of California, Baja California, Mexico
518	Irregular coastline, sun glitter, coastal currents	Red Sea, Egypt, Sudan, Saudi Arabia
591	Irregular coastline, calcareous reefs	Red Sea, Egypt, Saudi Arabia, Nile Valley
592	Irregular coastline, calcareous reefs	Red Sea, Egypt, Saudi Arabia, Nile Valley
593	Irregular coastline, calcareous reefs	Red Sea, Egypt, Saudi Arabia, Nile Valley

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
602	Oceanic cumulus	--
603	Oceanic cumulus	--
679	Calcareous reefs, cumulus, cloud lines, cumulonimbus	Bahama Islands, Cuba
705	Cumulus, sun glitter	Mexico



## CONTRAILS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
191	Cloud lines	Pacific Ocean
339	Coastal deposits, sun glitter, cloud lines, coastal haze	Gulf of Mexico, Texas, Louisiana
340	Coastal deposits, sun glitter, cloud lines, coastal haze	Gulf of Mexico, Texas, Louisiana, Alabama
341	Coastal deposits, convergence, cloud lines, coastal haze	Gulf of Mexico, Texas, Louisiana
461	Upper-level clouds, cloud lines, coastal deposits, irregular coastlines	Gulf of California, Baja California, Mexico, Arizona, New Mexico
462	Upper-level clouds, coastal deposits, cloud lines	Baja California, Mexico, New Mexico, Gulf of California
658	Coastal sediments, cloud lines, coastal deposits	Gulf of California, Baja California, Mexico



## BOW WAVES

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
94	Coastal strato-cumulus, von Kármán eddies	Baja California, Mexico, Vizcaino Bay
95	Strato-cumulus, Bénard cells, von Kármán eddy	Guadalupe Island, Baja California, Mexico
543	Irregular coastline, strato-cumulus, sun glitter	Gulf of California, Baja California, Mexico
544	Irregular coastline, sun glitter, strato-cumulus	Gulf of California, Baja California, Mexico
545	Irregular coastline, sun glitter, strato-cumulus	Gulf of California, Baja California, Mexico
546	Irregular coastline, sun glitter, strato-cumulus	Gulf of California, Baja California,





## COASTAL HAZE

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
339	Coastal deposits, sun glitter, cloud lines, contrail	Gulf coast, Corpus Christi to mouth of Mississippi River
340	Coastal deposits, sun glitter, cloud lines, contrail	Gulf coast, Aransas Bay to Mobile Bay, Galveston, Houston
341	Coastal deposits, convergence, cloud lines, contrail	Gulf coast, Galveston to Mobile Bay, Houston, Nassau Bay, Mississippi River
342	Cloud lines, convergence, coastal sediments, delta	Gulf coast, Vermilion Bay to Pensacola Bay, mouth of Mississippi, New Orleans
343	Cloud lines, convergence, coastal sediments, delta	Gulf coast, Atchafalya Bay to Apalachicola, mouth of Mississippi, New Orleans
344	Cloud lines, convergence, coastal sediments	Gulf coast, Florida, Cape San Blas



WIND SHEARS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
238	Bénard cells, calcareous reefs atolls	Indian Ocean, Maldivé Islands of Suvadiva and Addu
239	Bénard cells, calcareous reefs atolls	Indian Ocean, Maldivé Islands of Suvadiva and Addu
692	Stratus, Bénard cells	Southern Mexico



# CALCAREOUS REEFS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
3	Coastal sediments, coastal currents, sun glitter	Florida Keys, Cape Sable, Florida Bays, Everglades
4	Sun glitter	Florida Straits, Grand Bahama Banks
5	Sun glitter	Andros Island, Bahamas
6	Cloud lines, oceanic cumulus	Great Exuma Island, Bahamas
7	Sun glitter, cloud lines	Acklins and Crooked Islands, Bahamas
20	Coastline	Persian Gulf, Iran coast -- looking west
22	White caps	Egypt, Red Sea, Foul Bay, Eastern Desert
40	Bénard cells, oceanic cumulus, local winds, coastal sediments	Florida, Miami, Florida Bays, Keys
41	Bénard cells, oceanic cumulus, local winds, coastal sediments	Florida, Bimini Island, Florida Keys
42	Bénard cells, oceanic cumulus, local winds, coastal sediments	Bahama Islands, Andros Island
43	Oceanic cumulus, cloud lines, Bénard cells	Great Bahama Bank, Great Exuma, Cat and Long Islands
44	Oceanic cumulus, cloud lines, Bénard cells	Bahamas, Crooked, Acklins, and Long Islands
45	Oceanic cumulus, cloud lines, Bénard cells	Bahamas, Grand Turk, Caicos Group
49	--	British Honduras, Gulf of Honduras
55	Bénard cells	Cuba
56	Bénard cells	Cuba
57	Bénard cells	Cuba, Guantanamo Bay

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
60	Bénard cells, sun glitter	Pacific Ocean, Marshall Islands, Bikini Atoll
61	Bénard cells, sun glitter	Pacific Ocean, Rongelap Atoll, Ailinginae Atoll, Marshall Islands
68	Coastal sediments	Australia, Queensland, Keppel Bay Capricorn Island
70	Coastal sediments	Red Sea, Saudi Arabia
71	Coastal sediments, cloud lines	Mozambique coast -- looking south
101	--	Yucatan, British Honduras, Gulf of Honduras
115	Irregular coastline, discolored water	Red Sea, Egypt, Saudi Arabia
121	Local winds	Cuba, Grand Bahama Bank
122	--	Bahama Islands, Great Exuma and Long Islands
123	Cloud lines	Cuba, Hispaniola, Jamaica, Great Inagua
125	Coastal deposits, Bénard cells	Mexico, Yucatan
127	Coastal sediments, Bénard cells	Honduras, Nicaragua
131	Coastal sediments	Australia, Cape York, Queensland, Great Barrier Reef
136	Coastal sediments, coastal deposits	Persian Gulf, Saudi Arabia, Abu-Ali
146	--	Bahama Islands, Crooked Island, Long Island, Mayaguana Island
147	--	Bahama Islands, Mayaguana, Plana Cays



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
148	--	Florida Keys (blurred image)
149	--	Florida Keys (blurred image)
150	--	Florida Keys, Bays (blurred image)
162	Atolls	Pacific Ocean, Auamotu Archipelago, Rangiroa atolls, Arutua, Apataki, Toau, Kaukura Fakaraua
164	--	Bahamas, Andros, New Province, and Berry Islands
172	Cloud lines	Bahamas, Andros Island
176	Atolls	Pacific Ocean, Hawaiian Islands, Kure, Midway, Pearl-Hermes Reef
177	Atolls	Pacific Ocean, Hawaiian Islands, Pearl-Hermes Reef
178	--	Mexico, Yucatan, British Honduras
183	Strato-cumulus	Bahamas, Andros, New Providence, and Abaco Islands
200	Cloud lines, local winds	Red Sea, Saudi Arabia, Sudan, Ethiopia
201	Cloud lines, local winds	Red Sea, Saudi Arabia, Sudan, Ethiopia, Egypt
202	Cloud lines, local winds, sun glitter	Red Sea, Saudi Arabia, Yemen, Ethiopia
210	Coastal sediments	Florida Keys, Bays, Cape Sable
211	--	Cuba, Grand Bahama Bank
212	Local winds	Cuba, Jardin de la Reina
220	Fish school	Venezuela, Islas Los Roques

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
221	Fish school	Venezuela, Islas Los Roques, Isla Orchila
222	--	Venezuela, Isla La Tortuga
235	Atolls, Bénard cells	Pacific Ocean, Midway, Kure Islands
236	Atolls, Bénard cells	Pacific Ocean, Midway and Kure Islands
237	Atolls, Bénard cells	Pacific Ocean, Pearl-Hermes Reefs
238	Atolls, Bénard cells, wind shear in clouds	Indian Ocean, Maldive Islands of Addu and Suvadiva
239	Atolls, Bénard cells, wind shear in clouds	Indian Ocean, Maldive Islands of Addu and Suvadiva
275	Irregular coastline	Egypt, Saudi Arabia, Jordan, Israel, Sinai, Nile River
276	Irregular coastline	Egypt, Saudi Arabia, Jordan, Israel, Sinai, Nile River
277	Irregular coastline	Saudi Arabia, Al Hijaz area
302	Coastal deposits, cloud lines	Australia northwest coast
303	Coastal deposits, cloud lines	Australia northwest coast, Indonesia
304	Coastal deposits, cloud lines,	Australia northwest coast
305	Coastal deposits, cloud lines	Australia northwest coast
306	Coastal deposits, cloud lines	Australia northwest coast
307	Coastal deposits, cloud lines	Australia, Gulf of Carpentaria, Cape York
308	Coastal deposits, cloud lines	Australia, Gulf of Carpentaria, Cape York
321	Cloud lines, local winds, island clusters	Sudan, Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, Red Sea, Gulf of Aden

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
322	Cloud lines, local winds, island clusters	Red Sea, Saudi Arabia, Sudan, Gulf of Aden
323	Cloud lines, local winds, island clusters	Red Sea, Gulf of Aden
324	Cloud lines, local winds, island clusters	Red Sea, Gulf of Aden
325	Cloud lines, local winds, island clusters, sun glitter, currents	Red Sea, Gulf of Aden
326	Cloud lines, local winds, island clusters, sun glitter, currents	Red Sea, Gulf of Aden
327	Cloud lines, local winds, island clusters, coastal deposits	Indian Ocean, Gulf of Aden
359	Irregular coast, island clusters, local winds	Mediterranean Sea, Red Sea
360	--	Red Sea, Saudi Arabia, Egypt
365	Atolls, Bénard cells, cloud lines	Arabian Sea, Maldivé Islands, India
379	Irregular coast, coastal deposits, coastal sediments	Australia, north coast
380	Irregular coast, coastal deposits, coastal sediments	Australia, northwest coast
381	Irregular coast, coastal deposits, coastal sediments	Australia, northwest coast
382	Irregular coast, coastal deposits, coastal sediments	Australia, northwest coast
383	Irregular coast, coastal deposits, coastal sediments	Australia, northwest coast
384	Irregular coast, coastal deposits, coastal sediments	Australia, northwest coast
385	Irregular coast, coastal deposits, coastal sediments	Australia, northwest coast
406	Irregular coast, coastal sediments	Red Sea, Nile River, Sudan
407	Irregular coast, coastal sediments	Red Sea, Sudan, Ethiopia, Kassala
408	Irregular coast, coastal sediments	Red Sea, Sudan, Ethiopia, Kassala

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
409	Irregular coast, coastal sediments, local winds	Red Sea, Saudi Arabia, Ethiopia, Yemen
410	Irregular coast, local winds, coastal sediments	Red Sea, Gulf of Aden
445	Atolls, cloud lines	Maldiv Islands, Indian Ocean
446	Atolls, cloud lines	Bay of Bengal, Andaman Islands
460	Cloud lines, coastal sediments, currents	Florida, Bahamas, Cuba
505	Bénard cells, cloud lines	Florida, Gulf of Mexico
506	Bénard cells, cloud lines	Gulf of Mexico, Florida, Cuba
507	Bénard cells, cloud lines	Gulf of Mexico, Cuba
508	Bénard cells, cloud lines	Cuba, Bahamas
509	Bénard cells, cloud lines, sun glitter	Caribbean Sea, Cuba
510	Cloud lines, Bénard cells, sun glitter	Caribbean Sea, Cuba, Jamaica
511	Cloud lines, Bénard cells, sun glitter, currents	Caribbean Sea, Cuba, Jamaica
514	Oceanic cumulus, Bénard cells	Bahamas, Great Inagua,
516	Atolls, oceanic cumulus	Pacific Ocean, Hawaiian chain
519	Coastal sediments and deposits	Persian Gulf, Gulf of Oman
525	Coastal deposits, cloud lines, sun glitter, currents	Florida, Bahamas, Cuba
526	Coastal deposits, cloud lines, sun glitter, currents	Florida, Bahamas, Cuba
527	Coastal deposits, cloud lines, sun glitter, currents	Florida, Bahamas, Cuba
528	Coastal deposits, cloud lines, sun glitter, currents	Florida, Bahamas, Cuba
529	Coastal deposits, cloud lines, sun glitter, currents	Florida, Bahamas, Cuba
530	Coastal deposits, cloud lines, sun glitter, currents	Florida, Bahamas, Cuba

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
531	Coastal deposits, cloud lines, sun glitter, coastal currents	Florida, Bahamas, Cuba
532	Coastal deposits, cloud lines, sun glitter, coastal currents	Florida, Bahamas, Cuba
533	Coastal deposits, cloud lines, sun glitter, coastal currents	Florida, Bahamas, Cuba
540	Coastal deposits, cloud lines	Florida, Lake Okeechobee, Everglades, Keys
542	Coastal deposits, cloud lines	Florida, Cape Kennedy
554	Irregular coastline	United Arab Republic, Nile Valley, Suez, Gulf of Suez, Sinai
555	Irregular coastline	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley, Sinai
556	Irregular coastline	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley, Sinai
557	Irregular coastline	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley, Sinai
558	Irregular coastline	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley, Sinai
559	Irregular coastline, coastal sediments, sun glitter, cloud lines, local winds	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley, Sinai
560	Irregular coastline, coastal sediments, cloud lines, local winds	Iran, Zagros Mountains, Persian Gulf
561	Irregular coastline, coastal sediments, cloud lines, local winds	Iran, Persian Gulf, Qeshm Island, Bandar Abbas

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
562	Irregular coastline, coastal sediments, cloud lines, local winds	Iran, Oman, Persian Gulf, Gulf of Oman, Qeshm Island
563	Irregular coastline, coastal sediments, cloud lines, local winds	Iran, Oman, Persian Gulf, Gulf of Oman, Qeshm Island -- looking east
591	Irregular coastline, high-level clouds	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley
592	Irregular coastline, high-level clouds	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley
593	Irregular coastline, high-level clouds	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley
633	Coastal sediments, cloud lines, coastal deposits	Mexico, Yucatan, Yucatan Straits, Cuba
641	Coastal sediments, local winds, cloud lines, coastal deposits	Florida, Bahamas
642	Coastal sediments, local winds, cloud lines, coastal deposits	Florida, Bahamas
643	Coastal sediments, local winds, cloud lines, coastal deposits	Florida, Bahamas
644	Coastal sediments, local winds, cloud lines, coastal deposits	Florida, Bahamas
645	Coastal sediments, local winds, cloud lines, coastal deposits	Florida, Bahamas
649	Cloud lines, Bénard cells	Florida Keys, Bahamas
650	Cloud lines, Bénard Cells	Bahama Islands
651	Cloud lines, Bénard cells	Bahama Islands
679	Cumulus, cloud lines, cumulo- nimbus, upper-level clouds	Bahama Islands, Cuba



## COASTAL SEDIMENTS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
3	Coastal calcareous reefs, sun glitter, coastal currents	Florida Keys, Bays, Everglades, Cape Sable
23	Strong surf	Gulf of Oman, Ras Al Hadd
28	Coastal deposits	Mediterranean Sea, Egypt, Nile Delta
29	Heavy surf	Atlantic Ocean, Morocco, Ras Rhir, Agadir
30	Heavy surf, Bénard cells	Atlantic Ocean, Morocco, Agadir
40	Bénard cells, oceanic cumulus, local winds, calcareous reefs	Florida, Florida Bays, Upper Keys
41	Bénard cells, oceanic cumulus, local winds, calcareous reefs	South Florida, Bimini Island, Florida Keys
42	Bénard cells, oceanic cumulus, local winds, calcareous reefs	Bahama Islands, Andros Island
48	Coastal deposits, local winds	Gulf of Mexico, Mexico, Campeche, Laguna de Terminos
50	--	China coast, mouth of Yangtze River
51	--	Pacific Ocean, Japan, Honshu Island
52	--	Pacific Ocean, Taiwan--looking east
54	Cloud lines, Bénard cells, oceanic cumulus	Florida--looking north, Florida Keys
65	Local winds	Australia, Gulf of Carpentaria
66	Local winds	Australia, Gulf of Carpentaria
67	Local winds	Australia, north coast
68	Calcareous reefs	Australia, east coast



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
69	--	Mediterranean Sea, Tripoli, Libya
70	Calcareous reefs	Red Sea, Saudi Arabia
71	Cloud lines, calcareous reefs	Indian Ocean, Mozambique coast
72	--	Indian Ocean, Malagasy, Madagascar
73	Surf	Atlantic Ocean, southwest coast of Africa, Walvis Bay
74	Surf	Atlantic Ocean, southwest coast of Africa, Walvis Bay
78	--	Pacific coast of Honduras, Nicaragua, Gulf of Fonseca
79	Local winds, coastal currents	Florida, Atlantic coast, Cape Kennedy
86	Cloud lines, Bénard cells	Caribbean Sea, Hispaniola
89	Bénard cells, tropical storm	Atlantic coast of Brazil, Guianas
90	Bénard cells, hurricane Betsy	Atlantic coast of Brazil, French Guiana
96	Coastal strato-cumulus, lagoon	Baja California, Mexico, Vizcaino Bay, Scammon Lagoon
98	Discolored water	Baja California, Mexico, Tiburon Island
99	Coastal strato-cumulus, irregular coastline, discolored water, coastal deposits, sun glitter	Baja California, Mexico, Vizcaino Bay, Tiburon Island
100	Delta	Baja California, Mexico, Gulf of California, Colorado River
102	--	Caribbean Sea, Honduras, Nicaragua
103	Stream discharge	Pacific Ocean, Philippines, Luzon

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
104	Cloud lines	Pacific Ocean, Philippines, Luzon
107	Coastal deposits	Pacific coast of China, Gulf of Tonkin
108	--	Pacific Ocean, Luzon, Linguyan Gulf
110	--	Indian Ocean, Gulf of Kutch, India
111	Coastal deposits, cumulus	Australia, north coast, Wessel Islands
113	Delta	Mediterranean Sea, Nile Delta, Suez Canal, Egypt, Cairo
118	--	China coast, Hong Kong, Macao
127	Bénard cells, calcareous reefs	Honduras, Nicaragua
130	Sun glitter, coastal currents, island wakes	China coast, mouth of Futun-Min River
131	Calcareous reefs	Australia, northeast coast, Cape York, Great Barrier Reef
132	Coastal deposits	Northeast coast of Australia, Cape York
133	Coastal deposits	Northeast coast of Australia, Cape York
136	Coastal deposits, calcareous reefs	Persian Gulf, Saudi Arabia
141	--	Mediterranean Sea, Gulf of Sirte, Libya
167	Surf, coastal deposits	Gulf of Mexico, Mexico, Tamaulipas
179	Coastal deposits, local winds, cloud lines	Bay of Bengal, India, Ceylon
180	Coastal deposits, local winds, cloud lines	Bay of Bengal, Palk Straits, India, Ceylon
181	Coastal deposits, local winds, cloud lines	Bay of Bengal, Palk Straits, India, Ceylon

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
193	--	Caribbean Sea, Honduras, Nicaragua
196	Cloud lines , delta	Atlantic Ocean, mouth of Amazon River, Brazil
197	Cloud lines , delta	Atlantic Ocean, mouth of Amazon River, Brazil
198	Cloud lines	Atlantic Ocean, mouth of Amazon River, Brazil
199	Cloud lines, delta	Brazil, Atlantic Ocean, Baia de Marajo
210	Coastal calcareous reefs	Florida Keys, Cape Sable, Florida Bays
213	Irregular coastline, cloud lines	Caribbean Sea, Hispaniola, Haiti
214	Irregular coastline, cloud lines	Caribbean Sea, Hispaniola, Haiti
215	Coastal deposits, local winds	Atlantic Ocean, British Guiana
218	Coastal deposits, cloud lines, delta	Gulf of Mexico, mouth of Mississippi River, Louisiana, Alabama coast
219	Coastal deposits, cloud lines	Gulf of Mexico, mouth of Mississippi River, Alabama, Florida coast
240	Coastal currents	China coast, Taiwan, Formosa Strait
241	--	China coast, Formosa Strait
242	Currents	China coast, Taiwan, Formosa Strait
243	Currents, island clusters, sun glitter	China coast, Taiwan, Formosa Strait
244	Coastal currents, sun glitter, waves, coastal deposits	Pacific Ocean, south end of Taiwan
248	--	China coast, Formosa Strait

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
249	--	Pacific coast of China, Formosa Strait, Quemoy Island, Pescadores Islands
250	Island wake, cloud lines	China coast, Quemoy Island, Taiwan, Formosa Strait, Pacific Ocean
251	--	China coast, Formosa Strait, Pescadores Islands
252	Island wake, cloud lines, oceanic cumulus	China coast, Formosa Strait, Taiwan, Pacific Ocean
253	Cloud lines	Taiwan, Pacific Ocean
254	--	China coast, East China Sea
258	Bénard cells, currents, cumulus built up on land and sea, delta	Caribbean Sea, Venezuela, Guianas, Trinidad, mouths of Orinoco and Essequibo Rivers
259	Bénard cells, currents, cumulus built up on land and sea	Caribbean Sea, Venezuela, Guianas, Trinidad, mouth of Orinoco River
260	Bénard cells, currents, cumulus built up on land and sea, cloud lines	Caribbean Sea, Venezuela, Guianas, Trinidad, mouths of Orinoco and Essequibo Rivers
261	Bénard cells, currents, cumulus built up on land and sea, cloud lines	Atlantic coast, Surinam, Paramaribo
262	Bénard cells, currents, cumulus built up on land and sea, cloud lines	Atlantic coast, Surinam, Paramaribo
263	Bénard cells, currents, cumulus built up on land and sea, cloud lines	Atlantic coast, Surinam, French Guiana
266	Bénard cells	Gulf of Mexico, Matagorda Island, Texas coast

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
267	Bénard cells	Gulf of Mexico, Texas, Louisiana coast
273	Cloud lines	Pacific Ocean, Indonesia, Straits of Malacca, Malaysia, Sumatra
274	Cloud lines	Pacific Ocean, Indonesia, Straits of Malacca, Malaysia, Kuala Lumpur, Gulf of Siam
342	Cloud lines, convergence, coastal haze, delta	Gulf of Mexico, Vermilion Bay to Pensacola Bay, mouth of Mississippi
343	Cloud lines, convergence, coastal haze, delta	Gulf of Mexico, Atchafalya Bay to Apalachicola, mouth of Mississippi
344	Cloud lines, convergence, coastal haze	Gulf of Mexico, Florida, Cape San Blas
366	Bénard cells, cloud lines	Arabian Sea, Bay of Bengal, India
367	Bénard cells, cloud lines	Bay of Bengal, India, Ceylon
368	Bénard cells, cloud lines	Bay of Bengal, India, Ceylon
369	Bénard cells, cloud lines	Bay of Bengal, India, Ceylon
374	Bénard cells, oceanic cumulus, high-level clouds, inter-tropical convergence zone	Pacific Ocean, Indonesia (Java, Borneo, Sumatra)
375	Bénard cells, oceanic cumulus, high-level clouds, inter-tropical convergence zone	Pacific Ocean, Indonesia (Java, Bali, Lombok, Sumatra, Borneo)
379	Irregular coastline, coastal deposits, coastal calcareous reefs	Australia, northwest coast
380	Irregular coastline, coastal deposits, coastal calcareous reefs	Australia, northwest coast

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
381	Irregular coastline, coastal deposits, coastal calcareous reefs	Australia, northwest coast
382	Irregular coastline, coastal deposits, coastal calcareous reefs	Australia, northwest coast
383	Irregular coastline, coastal deposits, coastal calcareous reefs	Australia, northwest coast
384	Irregular coastline, coastal deposits, coastal calcareous reefs	Australia, northwest coast
385	Irregular coastline, coastal deposits, coastal calcareous reefs	Australia, northwest coast
406	Irregular coastline, calcareous reefs	Red Sea, Sudan, Ethiopia, Nile River, Kassala, Nubian Desert
407	Irregular coastline, calcareous reefs	Red Sea, Sudan, Ethiopia, Nile River, Kassala, Nubian Desert
408	Irregular coastline, calcareous reefs	Red Sea, Sudan, Ethiopia, Saudi Arabia
409	Irregular coastline, calcareous reefs, local winds	Red Sea, Ethiopia, Saudi Arabia
410	Irregular coastline, calcareous reefs, local winds	Red Sea, Gulf of Aden, Ethiopia, Somali, French Somali, Yemen, South Arabia
447	Cloud lines, coastal deposits, delta	Bay of Bengal, mouths of the Rangoon and Irrawaddy Rivers, Burma
448	Cloud lines, coastal deposits, delta	Bay of Bengal, mouths of the Rangoon and Irrawaddy Rivers, Burma
449	Cloud lines, coastal deposits, delta	Bay of Bengal, mouths of the Rangoon and Irrawaddy Rivers, Burma
450	Cloud lines, coastal deposits, delta	Bay of Bengal, mouths of the Rangoon and Irrawaddy Rivers, Burma

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
453	Irregular coastline, sun glitter	Persian Gulf, Iran, Saudi Arabia
454	Irregular coastline, sun glitter	Persian Gulf, Iran, Qeshm Island
455	Irregular coastline, sun glitter	Gulf of Oman, Iran
460	Calcareous reefs, cloud lines, currents	Florida, Bahamas, Cuba
465	Coastal deposits	Gulf of Mexico, Texas, Mexico, La.
466	Coastal deposits	Gulf of Mexico, Texas, Louisiana
467	Coastal deposits	Gulf of Mexico, Texas, Louisiana
468	Coastal deposits, coastal currents	Gulf of Mexico, Texas, Louisiana
469	Coastal deposits, coastal currents	Gulf of Mexico, Texas, Louisiana
470	Coastal deposits, currents, delta	Gulf of Mexico, Texas, Louisiana
471	Coastal deposits, currents, delta	Gulf of Mexico, Texas, Louisiana
472	Coastal deposits, currents, delta	Gulf of Mexico, Texas, Louisiana
473	Coastal deposits, currents, delta	Gulf of Mexico, Texas, Louisiana
474	Coastal deposits, currents, delta, coastal eddies	Gulf of Mexico, Texas, Louisiana
475	Coastal deposits, currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana
476	Coastal deposits, currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana
477	Coastal deposits, currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana
478	Coastal deposits, currents, coastal eddies, convergence, delta	Gulf of Mexico, Texas, Louisiana



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
479	Coastal deposits, coastal currents, coastal eddies, convergence, delta	Gulf of Mexico, Texas, Louisiana coast
480	Coastal deposits, coastal currents, coastal eddies, convergence, delta	Gulf of Mexico, Texas, Louisiana coast
481	Coastal deposits, coastal currents, coastal eddies, convergence, delta	Gulf of Mexico, Texas, Louisiana coast
482	Coastal deposits, coastal currents, coastal eddies, convergence, delta	Gulf of Mexico, Texas, Louisiana coast
483	Coastal deposits, coastal currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana coast
499	Coastal deposits	Gulf of Mexico, Texas, Mexico coast
500	Coastal deposits	Gulf of Mexico, Texas, Mexico coast
501	Coastal deposits	Gulf of Mexico, Mexico, Texas coast
502	Coastal deposits	Gulf of Mexico, Mexico, Texas coast
503	Coastal deposits, eddies, currents	Gulf of Mexico, Texas, Louisiana coast
504	Coastal deposits, eddies, currents	Gulf of Mexico, Texas, Louisiana coast
519	Coastal deposits, calcareous reefs	Persian Gulf, Gulf of Oman, Iran, Trucial Oman, Muscat and Oman, Qeshm Island, Zagros Mountains
537	Strato-cumulus	Gulf of Mexico, Texas coast, Baffin Bay to Matagorda Bay
538	Strato-cumulus	Gulf of Mexico, Texas coast
559	Irregular coastline, calcareous reefs, sun glitter, cloud lines, local winds	Red Sea, Nile Valley, Egypt, Saudi Arabia, Sinai, Sudan

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
560	Irregular coast, calcareous reefs, cloud lines, local winds	Persian Gulf, Iran, Zagros Mountains
561	Irregular coast, calcareous reefs, cloud lines, local winds	Persian Gulf, Iran, Qeshm Island, Bandar Abbas, Zagros Mountains
562	Irregular coast, calcareous reefs, cloud lines, local winds	Persian Gulf, Gulf of Oman, Iran, Qeshm Island, Trucial Oman
563	Irregular coast, calcareous reefs, cloud lines, local winds	Persian Gulf, Gulf of Oman, Trucial Oman Iran, Qeshm Island
577	Coastal deposits	Gulf of Mexico, Texas, Louisiana coast
578	Coastal deposits	Gulf of Mexico, Texas, Louisiana coast
632	Local winds, cloud lines, Bénard cells	Gulf of Mexico, Mexico, Isthmus of Tehuantepec, Guatemala, Yucatan coasts
633	Coastal deposits, cloud lines, calcareous reefs	Gulf of Mexico, Mexico, Yucatan coast, Yucatan Straits, Cuba
638	Coastal deposits, cloud lines, local winds	Florida
639	Coastal deposits, cloud lines, local winds	Florida
640	Coastal deposits, cloud lines, local winds	Florida
641	Coastal deposits, cloud lines, local winds, calcareous reefs	Florida, Bahama Islands
642	Coastal deposits, cloud lines, local winds, calcareous reefs	Florida, Bahama Islands
643	Coastal deposits, cloud lines, local winds, calcareous reefs	Florida, Bahama Islands

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
644	Coastal deposits, cloud lines, local winds, calcareous reefs	Florida, Bahamas
645	Coastal deposits, cloud lines, local winds, calcareous reefs	Florida, Bahama Islands
658	Coastal deposits, cloud lines, contrails	Baja California, Mexico
659	Coastal deposits, cloud lines, contrails	Baja California, Mexico
660	Coastal deposits, sun glitter	Baja California, Mexico
661	Coastal deposits, sun glitter	Baja California, Mexico
667	Delta, discolored water, coastal deposits, irregular coastline	Gulf of California, Baja California, mouth of Colorado River
668	Delta, discolored water, coastal deposits, irregular coastline	Gulf of California, Baja California, mouth of Colorado River
669	Delta, discolored water, coastal deposits, irregular coastline	Gulf of California, Baja California, mouth of Colorado River
670	Delta, discolored water, coastal deposits, irregular coastline	Gulf of California, Colorado River
680	Currents, surf, coastal deposits, cumulus	Indian Ocean, Somali coast
698	Bénard cells, local winds, cloud lines, sun glitter	Indian Ocean, Somali coast
699	Bénard cells, local winds, cloud lines, sun glitter	Indian Ocean, Somali coast
700	Bénard cells, local winds, cloud lines, sun glitter	Indian Ocean, Somali coast



# COASTAL DEPOSITS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
27	--	Gulf of Aden, Aden Protectorate, Yemen
28	Coastal sediments	Egypt, Nile Delta
48	Coastal sediments, local winds	Mexico, Campeche, Laguna de Terminos
59	Cloud lines, Bénard cells	Gulf of Mexico coast, Texas to Tamaulipas
99	Coastal strato-cumulus, irregular coastline, discolored water, sun glitter, coastal sediments	Baja California, Mexico, Vizcaino Bay, Tiburon Island
107	Coastal sediments	China, Gulf of Tonkin
109	Irregular coastline	Southeast Luzon
111	Coastal sediments, cumulus	North coast of Australia, Wessel Islands
114	--	Egypt, Suez Canal
116	Bénard cells, cloud lines, barrier islands	Gulf coast, Mobile, Alabama to Pensacola, Florida
120	Bénard cells, cloud lines, local winds	Florida--looking southeast
125	Bénard cells, calcareous reefs	Mexico, Yucatan, Gulf of Mexico
132	Coastal sediments	Australia, Cape York
133	Coastal sediments	Australia, Cape York
136	Coastal sediments, calcareous reefs	Persian Gulf, Saudi Arabia
137	Irregular coastline, sun glitter, coastal currents	Mediterranean Sea, Morocco, Ras Rhir, Agadir
142	Delta, cloud lines	Mediterranean Sea, Nile Delta, Turkey, Cyprus, Iraq, Israel, Jordan, Sinai

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
143	Cloud lines	Dead Sea, Sea of Galilee, Israel, Jordan, Lebanon, Egypt, Cyprus
152	Coastal lagoon	Baja California, Cedros Island, Vizcaino Bay, Scammon Lagoon
163	Sun glitter, coastal currents, cloud lines	Cuba, Guantanamo Bay
165	--	Gulf coast, St. Johns River to Jacksonville, Florida
167	Coastal sediments, surf	Gulf of Mexico, Mexico, Tamaulipas, Rio Soto, La Marina
168	Cloud lines	Florida, Cape Kennedy
169	Coastal currents	Florida, east coast
170	--	Florida, Cape Kennedy
171	--	Florida, Cape Kennedy
173	--	Gulf of Mexico, Mexico, Tamaulipas, Vera Cruz
179	Coastal sediments, local winds, cloud lines	India, Ceylon, Bay of Bengal
180	Coastal sediments, local winds, cloud lines	India, Ceylon, Palk Straits, Bay of Bengal
181	Coastal sediments, local winds, cloud lines	India, Ceylon, Palk Straits, Bay of Bengal
182	--	Indian Ocean, Somali Republic, Abd al Kuri Island, Ras Azir
189	--	Florida, Cape Kennedy
190	High-level clouds	Florida, Cape Kennedy

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
205	Irregular coastline, ancient city of Shibam	Gulf of Aden, Aden Protectorate
206	--	Gulf of Aden, Aden Protectorate
207	Cloud lines	Gulf of Aden, Somali Republic, Ras Azir, Ras Hafun
209	--	Gulf of Aden, Somali
215	Coastal sediments, local winds	Atlantic Ocean, British Guiana
218	Coastal sediments, cloud lines, delta	Gulf of Mexico, mouth of Mississippi River, Louisiana, Mississippi
219	Coastal sediments, cloud lines	Mouth of Mississippi River, Gulf of Mexico, Mobile, Alabama to Cape San Blas, Florida
244	Coastal currents, sun glitter, waves, coastal sediments	South end of Taiwan, Kaohsiung City
264	Bénard cells	Gulf of Mexico, Texas, Mexico coast
265	Bénard cells	Gulf of Mexico, Texas, Mexico coast
302	Coastal cloud lines, coastal calcareous reefs	Northwest coast of Australia
303	Coastal cloud lines, calcareous reefs	Australia, northwest coast
304	Coastal cloud lines, calcareous reefs	Australia, northwest coast
305	Coastal cloud lines, calcareous reefs	Australia, northwest coast
306	Coastal cloud lines, calcareous reefs	Australia, northwest coast
307	Coastal cloud lines, calcareous reefs	Australia, northwest coast
308	Coastal cloud lines, calcareous reefs	Australia, north coast



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
327	Cloud lines, local winds, island clusters, coastal calcareous reefs,	Gulf of Aden, Indian Ocean, Somali, South Arabia, Socotra Island
339	Sun glitter, cloud lines, coastal haze, contrail	Gulf of Mexico, Texas, Louisiana coast
340	Sun glitter, cloud lines, coastal haze, contrail	Gulf of Mexico, Texas, Louisiana, Alabama coast
341	Convergence, cloud lines, coastal haze, contrail	Gulf of Mexico, Texas, Louisiana, Alabama coast
345	Sun glitter, cumulus, strato-cumulus	Florida, east and west coasts
346	Sun glitter, cumulus, strato-cumulus	Florida, east and west coast
347	Sun glitter, cumulus, strato-cumulus	Florida, east and west coast
348	Sun glitter, cumulus, strato-cumulus	Florida, east and west coast
379	Irregular coastline, coastal sediments, coastal calcareous reefs	Australia, northwest coast
380	Irregular coastline, coastal sediments, coastal calcareous reefs	Australia, northwest coast
381	Irregular coastline, coastal sediments, coastal calcareous reefs	Australia, northwest coast
382	Irregular coastline, coastal sediments, coastal calcareous reefs	Australia, northwest coast
383	Irregular coastline, coastal sediments, coastal calcareous reefs	Australia, northwest coast
384	Irregular coastline, coastal sediments, coastal calcareous reefs	Australia, northwest coast

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
385	Irregular coastline, coastal sediments, coastal calcareous reefs	Australia, northwest coast
413	Cloud lines, local winds	Indian Ocean
434	Sun glitter, cloud lines, eddies, currents	Gulf of California, Baja California, La Paz, Mexico
442	Strato-cumulus, cloud lines	Gulf of California, Baja California
447	Cloud lines, coastal sediments, delta	Bay of Bengal, mouths of Irrawaddy and Rangoon Rivers, Burma
448	Cloud lines, coastal sediments, delta	Bay of Bengal, mouths of Irrawaddy and Rangoon Rivers, Burma
449	Cloud lines, coastal sediments, delta	Bay of Bengal, mouths of Irrawaddy and Rangoon Rivers, Burma
450	Cloud lines, coastal sediments, delta	Bay of Bengal, mouths of Irrawaddy and Rangoon Rivers, Burma
461	Upper-level clouds, cloud lines, irregular coastline, contrail	Gulf of California, Baja California, Mexico, Arizona
462	Upper-level clouds, cloud lines, contrail	Gulf of California, Baja California, Mexico
465	Coastal sediments	Gulf of Mexico, Texas, Mexico, Louisiana
466	Coastal sediments	Gulf of Mexico, Mexico, Texas, Louisiana
467	Coastal sediments	Gulf of Mexico, Texas, Louisiana
468	Coastal sediments, coastal currents	Gulf of Mexico, Texas, Louisiana
469	Coastal sediments, coastal currents	Gulf of Mexico, Texas, Louisiana
470	Coastal sediments, coastal currents, delta	Gulf of Mexico, Texas, Louisiana

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
471	Coastal sediments, coastal currents, delta	Gulf of Mexico, Texas, Louisiana coast
472	Coastal sediments, coastal currents, delta	Gulf of Mexico, Texas, Louisiana coast
473	Coastal sediments, coastal currents, delta	Gulf of Mexico, Texas, Louisiana coast
474	Coastal sediments, coastal currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana coast
475	Coastal sediments, coastal currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana coast
476	Coastal sediments, coastal currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana coast
477	Coastal sediments, coastal currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana coast
478	Coastal sediments, coastal currents, coastal eddies, convergence, delta	Gulf of Mexico, Texas, Louisiana coast
479	Coastal sediments, convergence, coastal currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana coast
480	Coastal sediments, convergence, coastal currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana coast
481	Coastal sediments, convergence, coastal currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana coast
482	Coastal sediments, convergence, coastal currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana coast
483	Coastal sediments, coastal currents, coastal eddies, delta	Gulf of Mexico, Texas, Louisiana coast
484	Cold frontal system	Florida east coast, Cape Kennedy

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
485	Cold frontal system	Florida east coast, Cape Kennedy
486	Cold frontal system	Florida east coast, Cape Kennedy
487	Irregular coastline, Bénard cells, strato-cumulus, sun glitter, high-level clouds	Gulf of California, Baja California, Mexico
488	Irregular coastline, Bénard cells, strato-cumulus, sun glitter, coastal currents, high-level clouds	Gulf of California, Baja California, Mexico
489	Irregular coastline, Bénard cells, strato-cumulus, sun glitter, coastal currents, high-level clouds	Gulf of California, Baja California, Mexico
490	Irregular coastline, Bénard cells, strato-cumulus, sun glitter, coastal currents, high-level clouds	Gulf of California, Baja California, Mexico
491	Irregular coastline, Bénard cells, strato-cumulus, sun glitter, coastal currents, high-level clouds	Gulf of California, Baja California, Mexico
492	Irregular coastline, Bénard cells, strato-cumulus, sun glitter, coastal currents, high-level clouds	Gulf of California, Baja California, Mexico
493	Irregular coastline, Bénard cells, strato-cumulus, sun glitter, coastal currents, high-level clouds	Gulf of California, Baja California, Mexico
494	Irregular coastline, Bénard cells, strato-cumulus, sun glitter, coastal currents, high-level clouds	Gulf of California, Baja California, Mexico
495	Irregular coastline, Bénard cells, strato-cumulus, sun glitter, coastal currents, high-level clouds	Gulf of California, Baja California, Mexico
496	Irregular coastline, Bénard cells, strato-cumulus, sun glitter, coastal currents, high-level clouds	Gulf of California, Baja California, Mexico

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
497	Irregular coastline, Bénard cells, strato-cumulus, sun glitter, coastal currents, high-level clouds	Gulf of California, Baja California, Mexico
499	Coastal sediments	Gulf of Mexico, Texas, Mexico coast
500	Coastal sediments	Gulf of Mexico, Texas, Mexico coast
501	Coastal sediments	Gulf of Mexico, Texas, Mexico coast
502	Coastal sediments	Gulf of Mexico, Texas, Mexico coast
503	Coastal sediments, eddies, currents	Gulf of Mexico, Texas, Louisiana coast
504	Coastal sediments, eddies, currents	Gulf of Mexico, Texas, Louisiana coast
519	Coastal sediments, calcareous reefs	Persian Gulf, Gulf of Oman, Iran, Qeshm Island, Trucial Oman
525	Coastal calcareous reefs, sun glitter, cloud lines, coastal currents	Florida, Bahamas, Cuba
526	Coastal calcareous reefs, coastal currents, sun glitter, cloud lines	Florida, Bahamas, Cuba
527	Coastal calcareous reefs, coastal currents, sun glitter, cloud lines	Florida, Bahamas, Cuba
528	Coastal calcareous reefs, coastal currents, sun glitter, cloud lines	Florida, Bahamas, Cuba
529	Coastal calcareous reefs, coastal currents, sun glitter, cloud lines	Florida, Bahamas, Cuba
530	Coastal calcareous reefs, coastal currents, sun glitter, cloud lines	Florida, Bahamas, Cuba
531	Coastal calcareous reefs, coastal currents, sun glitter, cloud lines	Florida, Bahamas, Cuba

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
532	Coastal calcareous reefs, coastal currents, sun glitter, cloud lines	Florida, Bahamas, Cuba
533	Coastal calcareous reefs, coastal currents, sun glitter, cloud lines	Florida, Bahamas, Cuba
539	Cloud lines	Florida east coast, Cape Kennedy
540	Cloud lines, calcareous reefs	Florida, Everglades, Keys
541	Cloud lines	Florida east coast, Cape Kennedy
542	Cloud lines, calcareous reefs	Florida east coast, Cape Kennedy
570	--	Gulf of Mexico, Texas
571	--	Gulf of Mexico, Texas
572	--	Gulf of Mexico, Texas, Louisiana
573	--	Gulf of Mexico, Texas, Louisiana
574	--	Gulf of Mexico, Texas, Louisiana
575	--	Gulf of Mexico, Texas, Louisiana
576	--	Gulf of Mexico, Texas, Louisiana
577	Coastal sediments	Gulf of Mexico, Texas, Louisiana
578	Coastal sediments	Gulf of Mexico, Texas, Louisiana
583	Strato-cumulus, cloud lines, local winds	Gulf of California, Baja California
584	Strato-cumulus, cloud lines, local winds	Gulf of California, Baja California
585	Strato-cumulus, cloud lines, local winds	Gulf of California, Baja California
586	Strato-cumulus, cloud lines, local winds	Gulf of California, Baja California
626	Cloud lines, Bénard cells, strato-cumulus, irregular coastline, coastal cloud eddy	Pacific Ocean, Mexico, Mazatlan to Manzanillo
627	Irregular coast, cloud lines	Gulf of California, Pacific Ocean
633	Coastal sediments, cloud lines, calcareous reefs	Gulf of Mexico, Caribbean, Mexico, Yucatan, Cuba



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
638	Coastal sediments, cloud lines, local winds	Florida
639	Coastal sediments, cloud lines, local winds	Florida
640	Coastal sediments, cloud lines, local winds	Florida
641	Coastal sediments, cloud lines, local winds, calcareous reefs	Florida, Bahamas
642	Coastal sediments, cloud lines, local winds, calcareous reefs	Florida, Bahamas
643	Coastal sediments, cloud lines, local winds, calcareous reefs	Florida, Bahamas
644	Coastal sediments, cloud lines, local winds, calcareous reefs	Florida, Bahamas
645	Coastal sediments, cloud lines, local winds, calcareous reefs	Florida, Bahamas
646	Cloud lines, currents	Florida, Bahamas
647	Cloud lines, currents	Florida looking north
648	Cloud lines, currents	Florida looking north
658	Coastal sediments, cloud lines, contrails	Gulf of California, Baja California, Mexico
659	Coastal sediments, cloud lines, contrails	Gulf of California, Baja California, Mexico
660	Coastal sediments, sun glitter	Gulf of California, Mexico
661	Coastal sediments	Gulf of California, Mexico, Baja California



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
667	Delta, discolored water, coastal sediments, irregular coastline	Gulf of California, Baja California, mouth of Colorado River
668	Delta, discolored water, coastal sediments, irregular coastline	Gulf of California, Baja California, mouth of Colorado River
669	Delta, discolored water, coastal sediments, irregular coastline	Gulf of California, Baja California, mouth of Colorado River
670	Delta, discolored water, coastal sediments, irregular coastline	Gulf of California, Colorado River
680	Coastal sediments, currents, surf, cumulus	Indian Ocean, Somali coast



## CURRENTS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
3	Coastal calcareous reefs, sun glitter, coastal sediments	Florida Keys, Cape Sable, Florida Bays, Everglades
79	Local winds, coastal sediments	Florida, Cape Kennedy
130	Sun glitter, coastal sediments, island wakes	China, Fukien Province, mouth of Futun-Min River, Fouchou City
137	Irregular coastline, coastal deposits, sun glitter	Morocco, Ras Rhir, Agadir
163	Sun glitter, cloudlines, coastal deposits	Cuba, Guantanamo Bay, Santiago
169	Coastal deposits	Florida east coast
208	Surf, sun glitter, cloudlines	Socotra Island
240	Coastal sediments	China, Fukien Province, Taiwan, Formosa Strait, Pescadores Islands
242	Coastal sediments	China, Fukien Province, Formosa Strait, Taiwan, Pescadores Islands
243	Coastal sediments, island clusters, sun glitter	China, Fukien Province, Formosa Strait, Taiwan
244	Sun glitter, waves, coastal deposits, coastal sediments	Taiwan, south end, Kaohsiung City
258	Bénard cells, coastal sediments, cumulus, delta	Guianas, Venezuela, Trinidad, mouths of Orinoco and Essequibo Rivers
259	Bénard cells, coastal sediments, cumulus	Guianas, Venezuela, Trinidad, mouth of Orinoco River
260	Bénard cells, coastal sediments, cumulus, cloud lines	Guianas, Venezuela, Trinidad, mouths of Orinoco and Essequibo Rivers
261	Bénard cells, coastal sediments, cumulus, cloud lines	Guianas, Surinam, Paramaribo

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
262	Bénard cells, coastal sediments, cumulus, cloud lines	Surinam, Paramaribo, Atlantic Ocean
263	Bénard cells, coastal sediments, cumulus, cloud lines	Atlantic Ocean, Surinam, French Guiana
325	Cloud lines, local winds, island clusters, coastal calcareous reefs, sun glitter	Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, Red Sea, Gulf of Aden
326	Cloud lines, local winds, island clusters, calcareous reefs, sun glitter	Red Sea, Gulf of Aden, Somali, Saudi Arabia, Socotra Island, Indian Ocean
411	Sun glitter, irregular coastline, local winds	Red Sea, Gulf of Aden
412	Sun glitter, irregular coastline, local winds	Gulf of Aden, Ras Hafun, Indian Ocean
434	Sun glitter, cloud lines, currents, eddies, coastal deposits	Gulf of California, Baja California, La Paz, Mexico
457	Sun glitter, irregular coastline, delta	Arabian Sea, Pakistan
458	Sun glitter, irregular coastline, delta	Arabian Sea, Pakistan, Indus Valley
460	Cloud lines, calcareous reefs, coastal sediments	Florida, Bahamas, Cuba
468	Coastal sediments, coastal deposits	Gulf of Mexico, Texas, Louisiana
469	Coastal sediments, coastal deposits	Gulf of Mexico, Texas, Louisiana
470	Coastal sediments, coastal deposits	Gulf of Mexico, Texas, Louisiana
471	Coastal sediments, coastal deposits, delta	Gulf of Mexico, Texas, Louisiana

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
472	Coastal sediments, coastal deposits, delta	Gulf of Mexico, Texas, Louisiana
473	Coastal sediments, coastal deposits, delta	Gulf of Mexico, Texas, Louisiana
474	Coastal sediments, coastal eddies, coastal deposits, delta	Gulf of Mexico, Texas, Louisiana
475	Coastal sediments, coastal eddies, coastal deposits, delta	Gulf of Mexico, Texas, Louisiana
476	Coastal sediments, coastal eddies, coastal deposits, delta	Gulf of Mexico, Texas, Louisiana
477	Coastal sediments, coastal eddies, coastal deposits, delta	Gulf of Mexico, Texas, Louisiana
478	Coastal sediments, coastal eddies, coastal deposits, convergence, delta	Gulf of Mexico, Texas, Louisiana
479	Coastal sediments, coastal eddies, coastal deposits, convergence, delta	Gulf of Mexico, Texas, Louisiana
480	Coastal sediments, coastal eddies, coastal deposits, convergence, delta	Gulf of Mexico, Texas, Louisiana
481	Coastal sediments, coastal eddies, coastal deposits, convergence, delta	Gulf of Mexico, Texas, Louisiana
482	Coastal sediments, coastal eddies, coastal deposits, convergence, delta	Gulf of Mexico, Texas, Louisiana
483	Coastal sediments, coastal eddies, coastal deposits, delta	Gulf of Mexico, Texas, Louisiana
488	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high level clouds, irregular coastline	Baja California, Mexico

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
489	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, irregular coastline	Gulf of California, Baja California, Mexico
490	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, irregular coastline	Gulf of California, Baja California, Mexico
491	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, irregular coastline	Gulf of California, Baja California, Mexico
492	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, irregular coastline	Gulf of California, Baja California, Mexico
493	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, irregular coastline	Gulf of California, Baja California, Mexico
494	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, irregular coastline	Gulf Of California, Baja California, Mexico
495	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, irregular coastline	Gulf of California, Baja California, Mexico
496	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, irregular coastline	Gulf of California, Baja California, Mexico
497	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, irregular coastline	Gulf of California, Baja California, Mexico
503	Coastal deposits, coastal sediments, eddies	Gulf of Mexico, Texas, Louisiana
504	Coastal deposits, coastal sediments, coastal eddies	Gulf of Mexico, Texas, Louisiana

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
511	Cloud lines, Bénard cells, sun glitter, coastal calcareous reefs	Caribbean Sea, Cuba, Jamaica
518	Irregular coastline, upper-level clouds, sun glitter	Egypt, Red Sea, Sudan, Saudi Arabia
525	Coastal deposits, calcareous reefs, cloud lines, sun glitter	Florida, Bahama Islands, Cuba
526	Coastal deposits, calcareous reefs, cloud lines, sun glitter	Florida, Bahama Islands, Cuba
527	Coastal deposits, calcareous reefs, cloud lines, sun glitter	Florida, Bahama Islands, Cuba
528	Coastal deposits, calcareous reefs, cloud lines, sun glitter	Florida, Bahama Islands, Cuba
529	Coastal deposits, calcareous reefs, cloud lines, sun glitter	Florida, Bahama Islands, Cuba
530	Coastal deposits, calcareous reefs, cloud lines, sun glitter	Florida, Bahama Islands, Cuba
531	Coastal deposits, calcareous reefs, cloud lines, sun glitter	Florida, Bahama Islands, Cuba
532	Coastal deposits, calcareous reefs, cloud lines, sun glitter	Florida, Bahama Islands, Cuba
533	Coastal deposits, calcareous reefs, cloud lines, sun glitter	Florida, Bahama Islands, Cuba
582	Oceanic cumulus, Bénard cells, sun glitter	--
646	Coastal deposits, cloud lines	Florida, Bahama Islands
647	Coastal deposits, cloud lines	Florida, looking north



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
648	Coastal deposits, cloud lines	Florida looking north
676	Local winds, lagoon, discolored water, cumulus, cloud lines	Atlantic Ocean, Florida, Cape Kennedy
677	Local winds, lagoon, discolored water, cumulus, cloud lines	Atlantic Ocean, Florida, Cape Kennedy
678	Local winds, lagoon, discolored water, cumulus, cloud lines	Atlantic Ocean, Florida, Cape Kennedy
680	Coastal sediments, surf, coastal deposits, cumulus	Indian Ocean, Somali coast

# SUN GLITTER

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
3	Coastal calcareous reefs, coastal currents, coastal sediments	Florida Keys, Cape Sable, Florida Bays, Everglades
4	Calcareous reefs	Florida Straits, Grand Bahama Banks
5	Calcareous reefs	Bahamas, Andros Island
7	Calcareous reefs, cloud lines	Bahamas, Acklins and Crooked Islands
47	Irregular coastline, cloud lines	Baja California, Mexico
60	Bénard cells, calcareous reefs	Pacific Ocean, Marshall Islands, Bikini
61	Bénard cells, calcareous reefs	Pacific Ocean, Marshall Islands
91	Bénard cells	Pacific Ocean near Wake Island
97	Discolored water	Gulf of California, Angel de la Guarda I.
99	Discolored water, coastal strato-cumulus, irregular coastline, coastal deposits, coastal sediment	Gulf of California, Baja California, Mexico, Vizcaino Bay, Tiburon Island
130	Coastal sediments, coastal currents, island wake	China, Fukien Province, mouth of Futun-Min River, Fouchou City
137	Irregular coastline, coastal deposits, coastal currents	Morocco, Ras Rhir, Agadir
163	Coastal deposits, currents, cloud lines	Cuba, Guantanamo Bay, Santiago
202	Calcareous reefs, cloud lines, local winds	Red Sea, Saudi Arabia, Yemen, Ethiopia
208	Surf, cloud lines, currents	Indian Ocean, Socotra Island
225	Cloud lines	Atlantic Ocean, Canary Islands
226	Cloud lines	Atlantic Ocean, Canary Islands
227	Cloud lines	Atlantic Ocean, Canary Islands

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
228	Cloud lines, island wake, coastal stratus	Atlantic Ocean, Canary Islands, African coast
229	Cloud lines, island wake, coastal stratus	Atlantic Ocean, Canary Islands, African coast
230	Cloud lines, island wake, coastal stratus, large waves	Atlantic Ocean, Canary Islands, African coast
231	Cloud lines, island wake, large waves, coastal stratus	Atlantic Ocean, Canary Islands, African coast
232	Cloud lines, island wake, large waves, coastal stratus	Atlantic Ocean, Canary Islands, African coast
243	Coastal sediments, currents, island clusters	China, Fukien Province, Taiwan, Formosa Strait
244	Coastal currents, waves, coastal sediments, coastal deposits	Taiwan, Kaohsiung City
247	Bénard cells, island wake	Pacific Ocean, Daito Islands, Kita Daito Jima
325	Cloud lines, local winds, island clusters, coastal calcareous reefs, coastal currents	Red Sea, Gulf of Aden, Ethiopia, Somali, Saudi Arabia, French Somaliland, Yemen
326	Cloud lines, local winds, island cluster, coastal calcareous reefs, coastal currents	Gulf of Aden, Indian Ocean, Somali, Saudi Arabia, Socotra Island
339	Coastal deposits, cloud lines, coastal haze, contrail	Gulf of Mexico, Texas, Louisiana
340	Coastal deposits, cloud lines, coastal haze, contrail	Gulf of Mexico, Texas, Louisiana
345	Cumulus, strato-cumulus, coastal deposits	Florida, Gulf and Atlantic coasts
346	Cumulus, strato-cumulus, coastal deposits	Florida, east and west coasts

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
347	Cumulus, strato-cumulus, coastal deposits	Florida, east and west coasts
348	Cumulus, strato-cumulus, coastal deposits	Florida, east and west coasts
411	Coastal currents, irregular coastline, local winds	Red Sea, Gulf of Aden, Ethiopia, Somali, Saudi Arabia, French Somaliland, Yemen
412	Coastal currents, irregular coastline, local winds	Somali, Gulf of Aden, Indian Ocean, Ras Hafun
434	Cloud lines, eddies, coastal deposits, currents	Gulf of California, Baja California
437	Bénard cells, cloud lines	Pacific Ocean
438	Bénard cells, cloud lines	Pacific Ocean
439	Bénard cells, cloud lines	Pacific Ocean
440	Bénard cells, cloud lines	Pacific Ocean
453	Irregular coastline, coastal sediments	Persian Gulf, Iran, Saudi Arabia
454	Irregular coastline, coastal sediments	Persian Gulf, Iran, Trucial coast
455	Irregular coastline, coastal sediments	Gulf of Oman, Iran, Hamun-E-Jaz-Murian
457	Irregular coastline, coastal currents, delta	Arabian Sea, Pakistan, Makran Ranges
458	Irregular coastline, coastal currents, delta	Arabian Sea, Pakistan, Indus Valley, Nara Canal, Makran Ranges
487	Irregular coastline, coastal deposits, Bénard cells, strato-cumulus, high-level clouds	Gulf of California, Baja California, Mexico

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
488	Irregular coastline, coastal deposits, Bénard cells, coastal currents, strato-cumulus, high-level clouds	Gulf of California, Baja California, Mexico
489	Irregular coastline, coastal currents, coastal deposits, high-level clouds, strato-cumulus, Bénard cells	Gulf of California, Baja California, Mexico
490	Irregular coastline, Bénard cells, coastal deposits, strato-cumulus, coastal currents, high-level clouds	Baja California, Mexico
491	Irregular coastline, Bénard cells, coastal deposits, strato-cumulus, coastal currents, high-level clouds	Baja California, Mexico
492	Irregular coastline, Bénard cells, coastal deposits, strato-cumulus, coastal currents, high-level clouds	Baja California, Mexico
493	Irregular coastline, Bénard cells, coastal deposits, strato-cumulus, coastal currents, high-level clouds	Baja California, Mexico
494	Irregular coastline, Bénard cells, coastal deposits, strato-cumulus, coastal currents, high-level clouds	Baja California, Mexico
495	Irregular coastline, Bénard cells, coastal deposits, strato-cumulus, coastal currents, high-level clouds	Baja California, Mexico
496	Irregular coastline, Bénard cells, coastal deposits, strato-cumulus, coastal currents, high-level clouds	Baja California, Mexico
497	Irregular coastline, Bénard cells, coastal deposits, strato-cumulus, coastal currents, high-level clouds	Baja California, Mexico

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
509	Cloud line, Bénard cells, coastal calcareous reefs	Caribbean Sea, Cuba, Yucatan, Gulf of Honduras, Honduras, Pacific Ocean
510	Cloud lines, Benard cells, coastal calcareous reefs	Caribbean Sea, Cuba, Yucatan, Gulf of Honduras, Jamaica, Pacific Ocean
511	Cloud line, Bénard cells, coastal calcareous reefs, currents	Caribbean Sea, Cuba, Jamaica
517	Oceanic cumulus, cloud lines	Pacific Ocean, Hawaiian chain, Pearl and Hermes Reef, Salmon Bank, Midway
518	Irregular coastline, upper-level clouds, coastal currents	Red Sea, Egypt, Saudi Arabia, Sudan
525	Coastal deposits, cloud lines, coastal currents, coastal calcareous reefs	Florida, Bahamas, Cuba
526	Coastal deposits, coastal currents, calcareous reefs, cloud lines	Florida, Bahamas, Cuba
527	Coastal deposits, coastal currents, calcareous reefs, cloud lines	Florida, Bahamas, Cuba
528	Coastal deposits, coastal currents, calcareous reefs, cloud lines	Florida, Bahamas, Cuba
529	Coastal deposits, coastal currents, calcareous reefs, cloud lines	Florida, Bahamas, Cuba
530	Coastal deposits, coastal currents, calcareous reefs, cloud lines	Florida, Bahamas, Cuba
531	Coastal deposits, coastal currents, calcareous reefs, cloud lines	Florida, Bahamas, Cuba
532	Coastal deposits, coastal currents, calcareous reefs, cloud lines	Florida, Bahamas, Cuba
533	Coastal deposits, coastal currents, calcareous reefs, cloud lines	Florida, Bahamas, Cuba

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
543	Irregular coastline, strato-cumulus, cloud bow wave	Gulf of California, Baja California, Mexico
544	Irregular coastline, cloud bow wave, strato-cumulus	Gulf of California, Baja California, Mexico
545	Irregular coastline, strato-cumulus, cloud bow wave	Gulf of California, Baja California Mexico
546	Irregular coastline, cloud bow wave, strato-cumulus	Gulf of California, Baja California, Mexico
547	Strato-cumulus	Indian Ocean
548	Oceanic cumulus, strato-cumulus	Indonesia, Timor Sea, Banda Sea, Arafura Sea
549	Oceanic cumulus, strato-cumulus	Indonesia, Timor Sea, Banda Sea, Arafura Sea
550	Oceanic cumulus, strato-cumulus, Bénard cells, island clusters	Indonesia, Timor Sea, Banda Sea, Arafura Sea
559	Irregular coastline, calcareous reefs, coastal sediments, cloud lines, local winds	Red Sea, Egypt, Saudi Arabia, Nile Valley, Sinai
579	Oceanic cumulus, Bénard cells	--
580	Oceanic cumulus, Bénard cells	--
581	Oceanic cumulus, Bénard cells	--
582	Oceanic cumulus, Bénard cells, currents	--
660	Coastal sediments, coastal deposits	Baja California, Mexico
661	Coastal sediments, coastal deposits	Baja California, Mexico



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
698	Bénard cells, local winds, cloud lines, coastal sediments	Indian Ocean, Somali coast
699	Bénard cells, local winds, cloud lines, coastal sediments	Indian Ocean, Somali coast
700	Bénard cells, local winds, cloud lines, coastal sediments	Indian Ocean, Somali coast
705	Cumulus, upper-level clouds	Mexico



# IRREGULAR COASTLINES

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
47	Sun glitter, cloud lines	Baja California, Mexico
63	Cloud lines	Cyprus, Turkey
64	Cloud lines	Cyprus, Turkey, Syria
76	--	Baja California, Mexico
77	--	Baja California, Mexico
99	Coastal strato-cumulus, coastal sediments, discolored water, sun glitter, coastal deposits	Baja California, Mexico, Vizcaino Bay
109	Coastal depoists	Southeast Luzon
115	Calcareous reefs, discolored water	Red Sea, Egypt, Saudi Arabia
137	Coastal deposits, sun glitter, coastal currents	Morocco, Ras Rhir, Agadir
166	Lagoon	Baja California, Vizcaino Bay, Gulf of California, Scammon Lagoon
186	Lagoon	Mexico, Golfo and Istmo Tehuantepec
187	Cloud lines	Ras Azir, Somali Republic
188	Cloud lines	Socotra Island, Ras Azir, Somali
205	Coastal deposits, city of Shibam	Gulf of Aden, Aden Protectorate
213	Coastal sediments, cloud lines	Hispaniola, Haiti
214	Coastal sediments, cloud lines	Caribbean Sea, Hispaniola, Haiti
272	Bénard cells	Indonesia, Siberut Island
275	Calcareous reefs	Egypt Saudi Arabia, Nile River, Jordan
276	Calcareous reefs	Red Sea, Dead Sea, Nile River, Egypt Saudi Arabia, Jordan, Israel

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
277	Calcareous reefs	Saudi Arabia, Red Sea
278	Cloud lines	Iran, Saudi Arabia, Arabian Sea, Persian Gulf, Muscat & Oman
279	Cloud lines	Iran, Saudi Arabia, Arabian Sea, Persian Gulf, Gulf of Oman
280	Cloud lines	Iran, Saudi Arabia, Muscat & Oman
319	--	Egypt, Sudan, Red Sea, Nile River, Saudi Arabia
359	Coastal calcareous reefs, island clusters, local winds	Egypt, Saudi Arabia, Red Sea, Dead Sea, Mediterranean Sea, Suez Canal, Sea of Galilee, Euphrates River, Sinai
379	Coastal calcareous reefs, coastal deposits, coastal sediments	Western Australia coast
380	Coastal calcareous reefs, coastal deposits, coastal sediments	Australia, northwest coast
381	Coastal calcareous reefs, coastal deposits, coastal sediments	Australia, northwest coast
382	Coastal calcareous reefs, coastal deposits, coastal sediments	Australia, northwest coast
383	Coastal calcareous reefs, coastal deposits, coastal sediments	Australia, northwest coast
384	Coastal calcareous reefs, coastal deposits, coastal sediments	Australia, northwest coast
385	Coastal calcareous reefs, coastal deposits, coastal sediments	Australia, north coast, Gulf of Carpentaria
406	Coastal sediments, calcareous reefs	Sudan, Ethiopia, Red Sea, Nile River

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
407	Coastal sediments, calcareous reefs	Red Sea, Sudan, Ethiopia
408	Coastal sediments, calcareous reefs	Red Sea, Sudan, Ethiopia, Saudi Arabia
409	Coastal sediments, calcareous reefs, local winds	Red Sea, Ethiopia, Saudi Arabia, Yemen
410	Coastal sediments, calcareous reefs, local winds	Red Sea, Gulf of Aden, Saudi Arabia, French Somaliland, Somali
411	Sun glitter, coastal currents, local winds	Red Sea, Gulf of Aden, Saudi Arabia, Somali, French Somaliland, Port of Aden
412	Sun glitter, coastal currents, local winds	Gulf of Aden, Indian Ocean, Somali, Ras Hafun
453	Coastal sediments, sun glitter	Persian Gulf, Iran, Saudi Arabia
454	Coastal sediments, sun glitter	Persian Gulf, Iran, Qeshm Island
455	Coastal sediments, sun glitter	Gulf of Oman, Iran
457	Coastal currents, sun glitter, delta	Arabian Sea, Pakistan
458	Coastal currents, sun glitter, delta	Arabian Sea, Pakistan
461	Upper-level clouds, cloud lines, coastal deposits, contrail	Gulf of California, Baja California, Mexico, Arizona, New Mexico
487	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds	Baja California, Mexico
488	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, coastal currents	Baja California, Mexico

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
489	Coastal currents, Bénard cells, strato-cumulus, sun glitter, high-level clouds, coastal deposits	Baja California, Mexico
490	Coastal currents, Bénard cells, strato-cumulus, sun glitter, high-level clouds, coastal deposits	Baja California, Mexico
491	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, coastal currents	Baja California, Mexico
492	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, coastal currents	Baja California, Mexico
493	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, coastal currents	Baja California, Mexico
494	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, coastal currents	Baja California, Mexico
495	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, coastal currents	Baja California, Mexico
496	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, coastal currents	Baja California, Mexico
497	Coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds, coastal currents	Baja California, Mexico
518	Upper-level clouds, sun glitter, coastal currents	Egypt, Sudan, Red Sea, Saudi Arabia
543	Strato-cumulus, sun glitter, cloud bow wave	Baja California, Mexico, Gulf of California

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
544	Strato-cumulus, sun glitter, cloud bow wave	Gulf of California, Baja California, Mexico
545	Strato-cumulus, sun glitter, cloud bow wave	Gulf of California, Baja California, Mexico
546	Strato-cumulus, sun glitter, cloud bow wave	Baja California, Gulf of California, Mexico
554	Coastal calcareous reefs	United Arab Republic, Nile Valley, Gulf of Suez
555	Coastal calcareous reefs	Red Sea, Egypt, Saudi Arabia, Sinai
556	Coastal calcareous reefs	Red Sea, Egypt, Saudi Arabia, Sinai
557	Coastal calcareous reefs	Red Sea, Egypt, Saudi Arabia, Sinai, Nile Valley
558	Coastal calcareous reefs	Red Sea, Egypt, Saudi Arabia, Sinai Nile Valley
559	Calcareous reefs, coastal sediments, sun glitter, cloud lines, local winds	Red Sea, Egypt, Saudi Arabia, Sinai, Nile Valley
560	Calcareous reefs, local winds, coastal sediments, cloud lines	Persian Gulf, Iran
561	Calcareous reefs, local winds, coastal sediments, cloud lines	Persian Gulf, Iran, Qeshm Island
562	Calcareous reefs, local winds, coastal sediments, cloud lines	Persian Gulf, Gulf of Oman, Iran, Qeshm Island
563	Calcareous reefs, local winds, coastal sediments, cloud lines	Persian Gulf, Gulf of Oman, Iran, Qeshm Island
591	Calcareous reefs, high-level clouds	Red Sea, Saudi Arabia, Egypt, Nile Valley



<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
592	Calcareous reefs, high-level clouds	Red Sea, Saudi Arabia, United Arab Republic, Nile Valley
593	Calcareous reefs, high-level clouds	Red Sea, Saudi Arabia, United Arab Republic, Nile Valley
624	Cloud lines, B�nard cells, strato-cumulus, coastal cloud eddy	Pacific coast of Mexico
625	Cloud lines, B�nard cells, strato-cumulus, coastal cloud eddy	Pacific coast of Mexico
626	Cloud lines, B�nard cells, strato-cumulus, coastal cloud eddy, coastal deposits	Pacific coast of Mexico
627	Cloud lines, coastal deposits	Pacific coast of Mexico
667	Delta, discolored water, coastal sediments, coastal deposits	Gulf of California, Baja California, mouth of Colorado River
668	Delta, discolored water, coastal sediments, coastal deposits	Gulf of California, Baja California, mouth of Colorado River
669	Delta, discolored water, coastal sediments, coastal deposits	Gulf of California, Baja California, mouth of Colorado River
670	Delta, discolored water, coastal sediments, coastal deposits	Gulf of California, Colorado River

## LOCAL WINDS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
31	Bénard cells, oceanic cumulus	Gulf coast, Texas to Tamaulipas, Mexico
32	Bénard cells, oceanic cumulus	Florida, looking south
37	Bénard cells, oceanic cumulus	Florida, looking south
38	Bénard cells, oceanic cumulus	Florida, looking south
39	Bénard cells, oceanic cumulus	Florida, looking south
40	Bénard cells, oceanic cumulus, calcareous reefs, coastal sediments	Florida, Florida Bays, Upper Keys
41	Bénard cells, oceanic cumulus, calcareous reefs, coastal sediments	Florida, Bahamas, Florida Keys
42	Bénard cells, oceanic cumulus, calcareous reefs, coastal sediments	Bahama Islands, Andros Island
48	Coastal sediments, coastal deposits	Mexico, Campeche, Laguna de Terminos
65	Coastal sediments	North Australia, Gulf of Carpenteria
66	Coastal sediments	Australia, Gulf of Carpenteria
67	Coastal sediments	Australia, Shoal Water Bay, Cape Manifold
75	Bénard cells	Texas gulf coast, Corpus Christi
79	Coastal currents, coastal sediments	Florida, Cape Kennedy
82	Oceanic cumulus, cloud lines	Florida--looking south
120	Bénard cells, cloud lines, coastal deposits	Florida -- looking southeast
121	Calcareous reefs	Cuba, Caribbean Sea, Grand Bahama Bank
126	Oceanic cumulus	Mexico, Yucatan, Honduras

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
128	Lagoon	Pacific Ocean, Japan
129	Lagoon	Pacific Ocean, Japan
179	Coastal sediments, cloud lines, coastal deposits	India, Ceylon
180	Coastal deposits, cloud lines, coastal sediments	India, Ceylon, Palk Straits
181	Coastal sediments, cloud lines, coastal deposits	India, Ceylon, Palk Straits
185	Cumulus	Venezuela, Peninsula de Araya, Isla de Margarita y Coche
200	Coastal calcareous reefs, cloud lines	Red Sea, Saudi Arabia, Sudan, Ethiopia
201	Coastal calcareous reefs, cloud lines	Red Sea, Saudi Arabia, Sudan, Egypt
202	Coastal calcareous reefs, cloud lines, sun glitter	Red Sea, Saudi Arabia, Yemen, Ethiopia
212	Coastal calcareous reefs	Cuba, Jardin de la Reina Island
215	Coastal sediments, coastal deposits	British Guiana--looking south
320	Cloud lines, island clusters	Sudan, Ethiopia, Saudi Arabia, French Somaliland, Red Sea, Gulf of Aden
321	Cloud lines, island clusters, coastal calcareous reefs	Sudan, Saudi Arabia, French Somaliland, Red Sea, Gulf of Aden, Yemen
322	Cloud lines, island clusters, coastal calcareous reefs	Sudan, Saudi Arabia, French Somaliland, Red Sea, Gulf of Aden
323	Cloud lines, island clusters, coastal calcareous reefs	Red Sea, Gulf of Aden, Sudan, Saudi Arabia, French Somaliland

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
324	Cloud lines, island clusters, coastal calcareous reefs	Red Sea, Gulf of Aden, Somali, French Somaliland, Ethiopia, Saudi Arabia
325	Cloud lines, island clusters, coastal calcareous reefs, sun glitter, coastal currents	Red Sea, Gulf of Aden, Somali, French Somaliland, Ethiopia, Saudi Arabia
326	Cloud lines, island clusters, coastal calcareous reefs, sun glitter, coastal currents	Gulf of Aden, Indian Ocean, Somali, Socotra Island
327	Cloud lines, island clusters, coastal calcareous reefs, coastal deposits	Gulf of Aden, Indian Ocean, Somali, Socotra Island
359	Coastal calcareous reefs, island clusters, irregular coastline	Mediterranean Sea, Dead Sea, Sea of Galilee, Red Sea, Suez Canal, Egypt, Saudi Arabia, Sinai, Euphrates River
409	Irregular coastline, calcareous reefs, coastal sediments	Red Sea, Saudi Arabia, Ethiopia, Yemen
410	Irregular coastline, calcareous reefs, coastal sediments	Red Sea, Gulf of Aden, South Arabia, Somali, Ethiopia
411	Sun glitter, coastal currents, irregular coastline	Red Sea, Gulf of Aden, South Arabia, Somali, Ethiopia
412	Sun glitter, coastal currents, irregular coastline	Indian Ocean, Gulf of Aden, Somali, Ras Hafun
413	Cloud lines, coastal deposits	Indian Ocean
452	Delta	Mediterranean coast, Egypt to Libya, Nile Delta
559	Irregular coastline, calcareous reefs, coastal sediments, sun glitter, cloud lines	Red Sea, Egypt, Saudi Arabia, Sinai Nile Valley
560	Irregular coastline, calcareous reefs, coastal sediments, cloud lines	Persian Gulf, Iran

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
561	Irregular coastline, calcareous reefs, coastal sediments, cloud lines	Persian Gulf, Iran, Qeshm Island
562	Irregular coastline, calcareous reefs, coastal sediments, cloud lines	Persian Gulf, Gulf of Oman, Qeshm Island
563	Irregular coastline, calcareous reefs, coastal sediments, cloud lines	Iran, Persian Gulf, Gulf of Oman, Qeshm Island
583	Strato-cumulus, cloud lines, coastal deposits	Gulf of California, Baja California
584	Strato-cumulus, cloud lines, coastal deposits	Gulf of California, Baja California
585	Strato-cumulus, cloud lines, coastal deposits	Gulf of California, Baja California
586	Strato-cumulus, cloud lines, coastal deposits	Gulf of California, Baja California
632	Coastal sediments, cloud lines, Bénard cells	Pacific Ocean, Mexico, Isthmus of Tehuantepec, Yucatan
638	Coastal sediments, cloud lines, coastal deposits,	Florida
639	Coastal sediments, cloud lines, coastal deposits	Florida
640	Coastal sediments, cloud lines, coastal deposits	Florida
641	Coastal sediments, cloud lines, coastal deposits, calcareous reefs	Florida, Bahamas

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
642	Coastal sediments, cloud lines, coastal deposits, calcareous reefs	Florida, Bahamas
643	Coastal sediments, cloud lines, coastal deposits, calcareous reefs	Florida, Bahamas
644	Coastal sediments, cloud lines, coastal deposits, calcareous reefs	Florida, Bahamas
645	Coastal sediments, cloud lines, coastal deposits, calcareous reefs	Florida, Bahamas
675	Lagoon, cumulus, surf	Atlantic Ocean, Florida, Jacksonville
676	Lagoon, currents, discolored water, cumulus, cloud lines	Atlantic Ocean, Florida, Cape Kennedy
677	Lagoon, currents, discolored water, cumulus, cloud lines	Atlantic Ocean, Florida, Cape Kennedy
678	Lagoon, currents, discolored water, cumulus, cloud lines	Atlantic Ocean, Florida, Cape Kennedy
685	Surf, cloud lines, Bénard cells, discolored	Pacific Ocean, Hawaii
686	Surf, cloud lines, Bénard cells, discolored water	Pacific Ocean, Hawaiian Islands, Maui, Kahoolawe, Molokai, Oahu, Kauai
696	Cloud lines	Atlantic Ocean, Canary Islands
697	Cloud lines	Atlantic Ocean, Canary Islands
698	Bénard cells, cloud lines, sun glitter, coastal sediments	Indian Ocean, Somali coast
699	Bénard cells, cloud lines, sun glitter, coastal sediments	Indian Ocean, Somali coast
700	Bénard cells, cloud lines, sun glitter, coastal sediments	Indian Ocean, Somali coast





## ISLAND CLUSTERS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
62	Cloud lines	Crete, Rhodes, Turkey, Greece, Mediterranean Sea
116	Bénard cells, cloud lines, coastal deposits	Gulf coast, Mobile, Alabama to Pensacola, Florida
135	--	Island of Crete, Mediterranean Sea
223	--	Venezuela, Isla La Tortuga
224	--	Venezuela, Isla La Tortuga
243	Coastal sediments, currents, sun glitter	China, Taiwan, Formosa Strait, Fukien Province
270	Bénard cells	Indonesia, Siberut Island, Mentawai Archipelago
271	Bénard cells	Indonesia, Siberut Island, Nias Island, Mentawai Archipelago
320	Local winds, cloud lines	Sudan, Ethiopia, Somali, Saudi Arabia, French Somaliland, Yemen, Red Sea, Gulf of Aden, South Arabia
321	Local winds, cloud lines, coastal calcareous reefs	Sudan, Ethiopia, Somali, Saudi Arabia, French Somaliland, Yemen, Red Sea, Gulf of Aden, South Arabia
322	Local winds, cloud lines, coastal calcareous reefs	Sudan, Ethiopia, Somali, Saudi Arabia, French Somaliland, Yemen, Red Sea, Gulf of Aden, South Arabia
323	Local winds, cloud lines, coastal calcareous reefs	Sudan, Ethiopia, Somali, Saudi Arabia, French Somaliland, Yemen, Red Sea, Gulf of Aden, South Arabia
324	Local winds, cloud lines, coastal calcareous reefs	Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, South Arabia, Red Sea, Gulf of Aden

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
325	Local winds, cloud lines, coastal calcareous reefs, sun glitter, coastal currents	Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, South Arabia, Red Sea, Gulf of Aden
326	Local winds, cloud lines, coastal calcareous reefs, sun glitter, coastal currents	Somali, South Arabia, Gulf of Aden, Indian Ocean, Socotra Island
327	Cloud lines, local winds, coastal reefs, coastal deposits	Somali, South Arabia, Gulf of Aden, Indian Ocean, Socotra Island
359	Irregular coastline, coastal reefs, local winds	Egypt, Jordan, Saudi Arabia, Lebanon, Syria, Iraq, Turkey, Israel, Red Sea, Dead Sea, Sea of Galilee, Mediterranean Sea, Suez Canal, Euphrates River, Sinai
550	Oceanic cumulus, strato-cumulus, sun glitter, Bénard cells	Indonesia, Timor Sea, Arafura Sea

# DELTA S

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
1	--	Nile Delta, Egypt, Suez Canal, Israel, Jordan, Syria, Saudi Arabia, Iraq
19	--	Nile Delta, Egypt
53	--	Nile Delta, Egypt, Cairo
100	Coastal strato-cumulus, irregular coastline	Gulf of California, Baja California, Mexico, Colorado River
113	Coastal sediments	Nile Delta, Suez Canal, Egypt, Cairo
142	Coastal deposits, cloud lines	Nile Delta, Sinai, Israel, Syria, Jordan, Lebanon, Turkey, Cyprus, Suez Canal
196	Coastal sediments, cloud lines	Atlantic Ocean, Amazon River, Brazil
197	Coastal sediments, cloud lines	Atlantic Ocean, Amazon River, Brazil
199	Coastal sediments, cloud lines	Atlantic Ocean, Amazon River, Brazil
218	Coastal sediments, cloud lines, coastal deposits	Gulf of Mexico, Mississippi, Louisiana, Mississippi River mouth
258	Bénard cells, coastal sediments, currents, cumulus built up on land sea	Atlantic Ocean, Venezuela, Trinidad, mouths of Orinoco and Essequibo Rivers, Guianas
342	Cloud lines, convergence, coastal haze, coastal sediments	Gulf of Mexico, Louisiana, Mississippi, Alabama, Florida, Mississippi River
343	Cloud lines, convergence, coastal haze, coastal sediments	Gulf of Mexico, Louisiana, Mississippi, Alabama, Florida, Mississippi River
447	Cloud lines, coastal deposits, coastal sediments	Burma, mouths of the Irrawaddy and Rangoon Rivers, Bay of Bengal
448	Cloud lines, coastal deposits, coastal sediments	Bay of Bengal, Burma, mouth of the Irrawaddy and Rangoon Rivers
449	Cloud lines, coastal deposits, coastal sediments	Bay of Bengal, Burma, mouth of the Irrawaddy and Rangoon Rivers
450	Cloud lines, coastal deposits, coastal sediments	Bay of Bengal, Burma, mouths of the Irrawaddy and Rangoon Rivers

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
452	Local winds	Mediterranean coast, Egypt, Libya, Nile Delta
457	Irregular coastline, sun glitter, coastal currents	Arabian Sea, Pakistan
458	Irregular coastline, sun glitter, coastal currents	Arabian Sea, Pakistan, Indus Valley, Nara Canal
470	Coastal sediments, currents, coastal deposits	Gulf of Mexico, Texas, Louisiana
471	Coastal sediments, currents, coastal deposits	Gulf of Mexico, Texas, Louisiana
472	Coastal sediments, currents, coastal deposits	Gulf of Mexico, Texas, Louisiana
473	Coastal sediments, currents, coastal deposits	Gulf of Mexico, Texas, Louisiana
474	Coastal sediments, currents, coastal deposits, eddies	Gulf of Mexico, Texas, Louisiana
475	Coastal sediments, currents, coastal deposits, eddies	Gulf of Mexico, Texas, Louisiana
476	Coastal sediments, currents, coastal deposits, eddies	Gulf of Mexico, Texas, Louisiana
477	Coastal sediments, currents, coastal deposits, eddies	Gulf of Mexico, Texas, Louisiana
478	Coastal sediments, convergence, coastal deposits, eddies, currents	Gulf of Mexico, Texas, Louisiana
479	Coastal sediments, convergence, coastal deposits, eddies, currents	Gulf of Mexico, Texas, Louisiana
480	Coastal sediments, convergence, coastal deposits, eddies, currents	Gulf of Mexico, Texas, Louisiana

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
481	Coastal sediments, convergence, coastal deposits, eddies, currents	Gulf of Mexico, Texas, Louisiana
482	Coastal sediments, convergence, coastal deposits, eddies, currents	Gulf of Mexico, Texas, Louisiana
483	Coastal sediments, eddies, coastal deposits, currents	Gulf of Mexico, Texas, Louisiana
667	Discolored water, coastal deposits, irregular coastline	Gulf of California, Baja California, mouth of Colorado River
668	Discolored water, irregular coastline, coastal deposits	Gulf of California, Baja California, mouth of Colorado River
669	Discolored water, irregular coastline, coastal deposits	Gulf of California, Baja California, mouth of Colorado River
670	Discolored water, irregular coastline, coastal deposits	Gulf of California, Colorado River



## EDDIES

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
391	Strato-cumulus	Morocco, Ras Rhir, Agadir
392	Strato-cumulus	Morocco, Algeria, Ras Rhir, Agadir
434	Sun glitter, cloud lines, currents, coastal deposits	Gulf of California, Baja California, La Paz, Mexico
474	Coastal currents, coastal deposits, coastal sediments	Gulf of Mexico, Texas, Louisiana
475	Coastal currents, coastal deposits, coastal sediments, delta	Gulf of Mexico, Texas, Louisiana
476	Coastal deposits, currents, coastal sediments, delta	Gulf of Mexico, Texas, Louisiana
477	Coastal deposits, currents, coastal sediments, delta	Gulf of Mexico, Texas, Louisiana
478	Coastal sediments, convergence, coastal deposits, currents, delta	Gulf of Mexico, Texas, Louisiana
479	Coastal sediments, convergence, coastal deposits, currents, delta	Gulf of Mexico, Texas, Louisiana
480	Coastal sediments, convergence, coastal deposits, currents, delta	Gulf of Mexico, Texas, Louisiana
481	Coastal sediments, convergence, coastal deposits, currents, delta	Gulf of Mexico, Texas, Louisiana
482	Coastal sediments, convergence, coastal deposits, currents, delta	Gulf of Mexico, Texas, Louisiana
483	Coastal sediments, currents, coastal deposits, delta	Gulf of Mexico, Texas, Louisiana
503	Coastal sediments, currents, coastal deposits	Gulf of Mexico, Texas, Louisiana
504	Coastal sediments, currents, coastal deposits	Gulf of Mexico, Texas, Louisiana





## LAGOONS

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
96	Coastal strato-cumulus, coastal sediments	Baja California, Mexico, Vizcaino Bay, Scammon Lagoon
128	Local winds	Japan, Ise Wan, Nagoya
129	Local winds	Japan, Ise Wan, Nagoya
152	Coastal deposits	Baja California, Cedros Island, Vizcaino Bay, Scammon Lagoon
166	Irregular coastline	Baja California, Vizcaino Bay, Punta Eugenia, Scammon Lagoon, Gulf of California
186	Irregular coastline	Mexico, Golfo and Istmo Tehuantepec
361	Cloud lines	Saudi Arabia, Muscat and Oman, Trucial Oman, Iran, Empty Quarter, Persian Gulf, Gulf of Oman



# ISLAND WAKES

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
130	Sun glitter, coastal sediments, coastal currents	China, Fukien Province, mouth of Futun-Min River, Fouchou City
228	Cloud lines, sun glitter, coastal stratus	Canary Islands, African coast
229	Cloud lines, sun glitter, coastal stratus	Canary Islands, African coast
230	Cloud lines, sun glitter, coastal stratus, large waves	Canary Islands, African coast
231	Cloud lines, sun glitter, coastal stratus, large waves	Canary Islands, African coast
232	Cloud lines, sun glitter, coastal stratus, large waves	Canary Islands, African coast
246	Bénard cells	Pacific Ocean, Daito Islands, Kita Daito Jima
247	Bénard cells, sun glitter	Pacific Ocean, Daito Islands, Kita Daito Jima
250	Coastal sediments, cloud lines	China, Fukien Province, Amoy City, Quemoy Island, Formosa Strait, Taiwan
252	Coastal sediments, cloud lines, oceanic cumulus	China, Fukien Province, Taiwan, Formosa Strait



## SURF

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
23	Coastal sediments	Muscat and Oman, Ras Al Hadd
29	Coastal sediments	Morocco, Ras Rhir, Agadir
30	Coastal sediments, Bēnard cells	Morocco, Ras Rhir, Agadir
73	Coastal sediments	Southwest Africa, Cape Cross
74	Coastal sediments	Southwest Africa, Port of Walvis Bay, restricted diamond area
138	Coastal cloud eddy	Morocco, Spanish Ifni
145	Cloud lines	Leeward Islands, Guadeloupe, Antigua, Marie Galante, Montserrat
151	Cloud lines	Guadalupe Island, Baja California
167	Coastal sediments, coastal deposits	Gulf coast of Mexico
208	Sun glitter, cloud lines, currents	Socotra Island, Indian Ocean
230	Cloud lines, sun glitter, island wake, coastal stratus	Canary Islands, African coast
231	Cloud lines, sun glitter, island wake, coastal stratus	Canary Islands, African coast
232	Cloud lines, sun glitter, island wake, coastal stratus	Canary Islands, African coast
244	Coastal deposits, currents, coastal sediments, sun glitter	Taiwan -- south end, Kaohsiung City
675	Local winds, lagoon, cumulus	Atlantic Ocean, Florida, Jacksonville
680	Coastal sediments, currents, coastal deposits, cumulus	Indian Ocean, Somali coast

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
685	Local winds, cloud lines, Bénard cells, discolored water	Pacific Ocean, Hawaii
686	Local winds, cloud lines, Bénard cells, discolored water	Pacific Ocean, Hawaiian Islands, Maui, Kahoolawe, Molokai, Oahu, Kauai



# DISCOLORED WATER

<u>Slide</u>	<u>Additional Features</u>	<u>Geographic Location</u>
97	Sun glitter	Baja California, Mexico, Angel de la Guarda Island
98	Coastal sediments	Baja California, Mexico, Tiburon Island
99	Coastal strato-cumulus, irregular coastline, coastal sediments, sun glitter, coastal deposits	Baja California, Mexico, Tiburon Island, Vizcaino Bay
115	Irregular coastline, calcareous reefs	Red Sea, Egypt, Saudi Arabia
667	Delta, coastal sediments, coastal deposits, irregular coastline	Gulf of California, Baja California, mouth of Colorado River
668	Delta, coastal sediments, coastal deposits, irregular coastline	Gulf of California, Baja California, mouth of Colorado River
669	Delta, coastal sediments, coastal deposits, irregular coastline	Gulf of California, Baja California, mouth of Colorado River
670	Delta, coastal sediments, coastal deposits, irregular coastline	Gulf of California, Colorado River
676	Local winds, lagoon, currents, cumulus, cloud lines	Atlantic Ocean, Florida, Cape Kennedy
677	Local winds, lagoon, currents, cumulus, cloud lines	Atlantic Ocean, Florida, Cape Kennedy
678	Local winds, lagoon, currents, cumulus, cloud lines	Atlantic Ocean, Florida, Cape Kennedy
685	Local winds, surf, cloud lines, Bénard cells	Pacific Ocean, Hawaii
686	Local winds, surf, cloud lines, Bénard cells	Pacific Ocean, Hawaiian Islands, Maui, Kahoolawe, Molokai, Oahu, Kauai



# MISCELLANEOUS

<u>Slide</u>	<u>Features</u>	<u>Geographic Location</u>
22	<u>White Caps</u> , coastal reefs	Egypt, Red Sea, Foul Bay
89	<u>Tropical storm</u> , coastal sediments, Bénard cells	Brazil, Guianas
90	<u>Hurricane Betsy</u> , coastal sediments, Bénard cells	Brazil, French Guiana
93	<u>Smog</u> , coastal strato-cumulus	California, San Luis Obispo to Ensenada
124	<u>Smog</u> , Bénard cells, cloud lines, strato cumulus	California, Malibu to Rosarita Beach
220	<u>Fish schools</u> , coastal calcareous reefs	Venezuela, Islas Los Roques
221	<u>Fish schools</u> , coastal calcareous reefs	Venezuela, Isla Orchila, Islas Los Roques
355	<u>Typhoon</u> , cumulonimbus, strato cumulus	Pacific Ocean southeast of Japan
484	<u>Cold Frontal System</u> , coastal deposits	East coast of Florida
485	<u>Cold Frontal System</u> , coastal deposits	East coast of Florida
486	<u>Cold Frontal System</u> , coastal deposits	East coast of Florida
523	<u>Moon Eclipse</u>	--
524	<u>Moon Eclipse</u>	--



### III    GEOGRAPHIC    LOCATIONS



ATLANTIC OCEAN





OPEN OCEAN

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
8	--	Oceanic cumulus
9	--	Bénard cells, cloud lines
83	Southeast of Bermuda	Oceanic cumulus,
84	Southeast of Bermuda	Oceanic cumulus, Bénard cells
87	East of Lesser Antilles	Cloud lines, Bénard cells
88	East of Lesser Antilles	Bénard cells, oceanic cumulus

In Sequence: 83-84, 87-88



## U. S. COAST

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
32	Florida -- looking south, Gulf of Mexico	Bénard cells, oceanic cumulus, local winds
37	Cape Kennedy -- looking south	Bénard cells, oceanic cumulus, local winds
38	Cape Kennedy -- looking south	Bénard cells, oceanic cumulus, local winds
39	Cape Kennedy, Gulf of Mexico	Bénard cells, oceanic cumulus, local winds
40	Miami -- looking north, Florida Keys	Bénard cells, oceanic cumulus, local winds, calcareous reefs, coastal sediment
41	Miami -- looking north, Florida Keys	Bénard cells, oceanic cumulus, coastal sediments, local winds, calcareous reefs
54	Central Florida, Gulf of Mexico, Florida Keys	Cloud lines, Bénard cells, oceanic cumulus, coastal sediments
79	Cape Kennedy	Local winds, coastal currents, coastal sediments
82	Central Florida -- looking south, Gulf of Mexico	Oceanic cumulus, cloud lines, local winds
120	Central Florida -- looking south-east, Gulf of Mexico	Bénard cells, cloud lines, local winds, coastal deposits
165	Florida, Georgia coast, Jacksonville, St. Johns River	Coastal deposits
168	Florida, Cape Kennedy	Coastal deposits, cloud lines
169	Florida, Titusville to north of Daytona Beach	Coastal deposits, coastal currents
170	Florida, Cape Kennedy	Coastal deposits
171	Florida, Cape Kennedy	Coastal deposits

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
189	Florida, Cape Kennedy	Coastal deposits
190	Florida, Cape Kennedy	Coastal deposits, high-level clouds
345	Florida, Gulf of Mexico	Sun glitter, cumulus, strato-cumulus, coastal deposits
346	Florida, Gulf of Mexico	Sun glitter, cumulus, strato-cumulus, coastal deposits
347	Florida, Gulf of Mexico	Sun glitter, cumulus, strato-cumulus, coastal deposits
348	Florida, Gulf of Mexico	Sun glitter, cumulus, strato-cumulus, coastal deposits
349	Florida, Jacksonville, Palm Beach coast	Oceanic cumulus, cumulonimbus, cloud lines
460	Florida, Cape Kennedy, Bahama Islands, Cuba	Cloud lines, calcareous reefs, coastal sediments, currents
484	Florida, Jacksonville, Palm Beach coast	Coastal deposits, cold frontal system
485	Florida, Jacksonville, Palm Beach	Coastal deposits, cold frontal system
486	Florida, Jacksonville, Palm Beach	Coastal deposits, cold frontal system
525	Florida, Bahamas, Cuba, Gulf of Mexico	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
526	Florida, Bahamas, Cuba, Gulf of Mexico	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
527	Florida, Bahamas, Cuba, Gulf of Mexico	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
528	Florida, Bahamas, Cuba, Gulf of Mexico	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
529	Florida, Bahamas, Cuba, Gulf of Mexico	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
530	Florida, Bahamas, Cuba, Gulf of Mexico	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
531	Florida, Bahamas, Cuba	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
532	Florida, Bahamas, Cuba	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
533	Florida, Bahamas, Cuba	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
539	Florida, Gulf of Mexico	Coastal deposits, cloud lines
540	Florida, south end, Gulf of Mexico	Coastal deposits, cloud lines, calcareous reefs
541	Florida, Cape Kennedy, Palm Beach	Coastal deposits, cloud lines
542	Florida, Cape Kennedy, Palm Beach	Coastal deposits, cloud lines, calcareous reefs
641	Florida, Bahamas, Gulf of Mexico	Coastal sediments, local winds, coastal deposits, cloud lines, calcareous reefs
642	Florida, Bahamas, Gulf of Mexico	Coastal sediments, local winds, coastal deposits, cloud lines, calcareous reefs
643	Florida, Bahamas, Gulf of Mexico	Coastal sediments, local winds, coastal deposits, cloud lines, calcareous reefs
644	Florida, Bahamas, Gulf of Mexico	Coastal sediments, local winds, coastal deposits, cloud lines, calcareous reefs
645	Florida	Coastal sediments, local winds, coastal deposits, cloud lines, calcareous reefs
646	Florida	Coastal deposits, currents, cloud lines

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
647	Florida	Coastal deposits, currents, cloud lines
648	Florida	Coastal deposits, currents, cloud lines
649	Florida, Florida Straits, Great and Little Bahama Bank	Calcareous reefs, cloud lines, B�nard cells
675	Florida, Jacksonville to San Augustine	Local winds, lagoon, cumulus, surf
676	Florida, Cape Kennedy	Local winds, lagoon, currents, cumulus, cloud lines, discolored water
677	Florida, Cape Kennedy	Local winds, lagoon, currents, cumulus, cloud lines, discolored water
678	Florida, Cape Kennedy	Local winds, lagoon, currents, cumulus, cloud lines, discolored water

In Sequence: 37-38, 39-41, 168-171, 189-190, 484-486, 525-533, 539-542, 641-649, 675-678



## BAHAMA ISLANDS

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
4	Florida Straits, Grand Bahama Bank	Sun glitter, calcareous reefs
5	Andros Island, Bahamas	Sun glitter, calcareous reefs
6	Great Exuma Island	Calcareous reefs, oceanic cumulus, cloud lines
7	Acklins and Crooked Islands	Sun glitter, calcareous reefs, cloud lines
42	Andros Island	Bénard cells, oceanic cumulus, local winds, calcareous reefs, coastal sediment
43	Great Bahama Bank, Tongue of the Ocean, Great Exuma, Cat and Long Islands	Calcareous reefs, oceanic cumulus, cloud lines, Bénard cells
44	Crooked, Acklins, and Long Islands	Oceanic cumulus, Bénard cells, cloud lines, calcareous reefs
45	Grand Turk, Caicos Group	Oceanic cumulus, Bénard cells, cloud lines, calcareous reefs
122	Great Exuma and Long Islands	Calcareous reefs
146	Crooked, Long, and Mayaguana Islands	Calcareous reefs
147	Mayaguana Island, Plana Cays	Calcareous reefs
164	Andros, New Providence, and Berry Islands	Calcareous reefs
172	Andros Island, south end	Cloud lines, calcareous reefs
183	Andros, New Providence, and Abaco Islands	Calcareous reefs, strato-cumulus clouds
460	Florida, Cuba	Cloud lines, calcareous reefs, coastal sediments, currents

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
512	Great Inagua, Acklins, and Mayaguana Islands, Caicos Group	Oceanic cumulus, Bénard cells
513	Great Inagua, Acklins, Mayaguana, and Caicos Islands	Oceanic cumulus, Bénard cells
514	Great Inagua, Grand Turk, Caicos, and Mayaguana Islands	Calcareous reefs, oceanic cumulus, Bénard cells
525	Atlantic Ocean, Cuba, Gulf of Mexico	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
526	Atlantic Ocean, Cuba, Gulf of Mexico	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
527	Atlantic Ocean, Cuba, Gulf of Mexico	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
528	Atlantic Ocean, Cuba, Gulf of Mexico	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
529	Florida, Cuba	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
530	Florida, Cuba	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
531	Florida, Cuba	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
532	Florida, Cuba	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
533	Florida, Cuba	Coastal deposits, calcareous reefs, cloud lines, sun glitter, coastal currents
539	Florida, Cuba	Coastal deposits, cloud lines
540	Florida, Cuba	Coastal deposits, cloud lines, calcareous reefs

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
641	Florida, upper Bahamas	Coastal sediments, coastal deposits, cloud lines, local winds, calcareous reefs
642	Florida, upper Bahamas	Coastal sediments, coastal deposits, cloud lines, local winds, calcareous reefs
643	Florida, upper Bahamas	Coastal sediments, coastal deposits, cloud lines, local winds, calcareous reefs
644	Florida, upper Bahamas	Coastal sediments, cloud lines, coastal deposits, local winds, calcareous reefs
649	Florida Straits, Great and Little Bahama Banks	Calcareous reefs, cloud lines, Bénard cells
650	Bahamas	Cloud lines, Bénard cells, calcareous reefs
651	Bahamas	Cloud lines, Bénard cells, calcareous reefs
679	Bahamas, Cuba	Calcareous reefs, cumulus, cloud lines, cumulonimbus, upper-level clouds

In Sequence: 4-7, 42-45, 146-147, 512-514, 525-533, 539-540, 641-651



SOUTH AMERICA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
89	Brazil, Guianas	Coastal sediments, Bénard cells, tropical storm
90	Brazil, French Guiana	Coastal sediments, Bénard cells, hurricane (Betsy)
196	Brazil, mouth of Amazon River	Cloud lines, coastal sediments, delta
197	Brazil, mouth of Amazon River	Cloud lines, coastal sediments, delta
198	Brazil, mouth of Amazon River	Cloud lines, coastal sediments, delta
199	Brazil, Baia de Marajo	Cloud lines, coastal sediments, delta
215	British Guiana	Coastal sediments, coastal deposits, local winds
258	Venezuela, Trinidad, mouths of Orinoco and Essequibo Rivers	Bénard cells, coastal sediments, currents cumulus, delta
259	Venezuela, Trinidad, mouth of Orinoco River	Bénard cells, coastal sediments, currents, cumulus
260	Venezuela, Trinidad, mouths of Orinoco and Essequibo Rivers	Cloud lines, Bénard cells, coastal sediments, currents, cumulus
261	Surinam, Paramaribo	Cloud lines, Bénard cells, currents, coastal sediments, cumulus
262	Surinam, Paramaribo	Cloud lines, Bénard cells, currents, coastal sediments, cumulus
263	Surinam, French Guiana	Cloud lines, Bénard cells, currents, coastal sediments, cumulus

In Sequence: 89-90, 196-199, 258-263



# CAPE VERDE & CANARY ISLANDS

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
139	Cape Verde Islands, Boa Vista, Sal, Maio, Sao Tiago	Bénard cells, cloud lines
140	Cape Verde Islands, Sao Nico Lau, Santo Antao, Fogo looking SW	Strato-cumulus, coastal cloud eddies
225	Canary Islands, looking east	Cloud lines, sun glitter
226	Canary Islands, looking east	Cloud lines, sun glitter
227	Canary Islands, looking east	Cloud lines, sun glitter
228	Canary Islands, African coast	Cloud lines, sun glitter, island wake, coastal stratus
229	Canary Islands, African coast	Cloud lines, sun glitter, island wake, coastal stratus
230	Canary Islands, African coast	Cloud lines, sun glitter, island wake, coastal stratus, large waves
231	Canary Islands, African coast	Cloud lines, sun glitter, island wake, coastal stratus, large waves
232	Canary Islands, African coast	Cloud lines, sun glitter, island wake, coastal stratus, large waves
696	Canary Islands, looking northwest	Local winds, cloud lines
697	Canary Islands, looking northwest	Local winds, cloud lines

In Sequence: 139-140, 225- 232, 696-697





AFRICA, MOROCCO-SENEGAL COAST

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
29	Morocco, Ras Rhir, Agadir	Heavy surf, coastal sediments
30	Morocco, Ras Rhir, Agadir	Heavy surf, coastal sediments, B�nard cel
137	Morocco, Ras Rhir, Agadir	Irregular coastline, coastal deposits, sun glitter, coastal currents
138	Morocco, south of Agadir, Spanish Ifni	Surf, coastal cloud eddy
184	Senegal, Gambia, Cap Vert, Dakar	High level cloud waves
228	Canary Islands, African coast	Cloud lines, sun glitter, island wake, coastal stratus
229	Canary Islands, African coast	Cloud lines, sun glitter, island wake, coastal stratus
230	Canary Islands, African coast	Cloud lines, sun glitter, island wake, coastal stratus, large waves
231	Canary Islands, African coast	Cloud lines, sun glitter, island wake, coastal stratus, large waves
232	Canary Islands, African coast	Cloud lines, sun glitter, island wake, coastal stratus, large waves
233	Spanish Sahara, Morocco, Fuerteventura Island	Coastal strato-cumulus
257	Morocco, Straits of Gibraltar, Spain, Portugal	Coastal cloud eddy
391	Morocco, Ifni, Ras Rhir, Agadir	Strato-cumulus, coastal eddy
392	Morocco, Ifni, Algeria, Ras Rhir, Agadir	Strato-cumulus, coastal eddy

In Sequence: 29-30, 137-138, 228-233, 391-392



SOUTH AFRICA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
73	Cape Cross north of Walvis Bay	Coastal sediments, surf
74	Port of Walvis Bay, restricted diamond area	Coastal sediments, surf

In Sequence: 73-74



# MEDITERRANEAN SEA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
19	Nile Delta, Egypt, Birket Quarum Depression	Delta
28	Egypt, Alexandria, Nile Delta	Coastal deposits, coastal sediments
53	Egypt, Cairo, Nile Delta	Delta
62	Crete, Rhodes, Turkey, Greece	Island clusters, cloud lines
63	Cyprus, Turkey	Irregular coastlines, cloud lines
64	Cyprus, Turkey, Syria	Irregular coastlines, cloud lines
69	Libya, Tripoli	Coastal sediments
112	Algeria, Balearic Islands, Spain	Cloud lines
113	Egypt, Nile Delta, Suez Canal, Cairo	Coastal sediments, delta
114	Egypt, Suez Canal	Coastal deposits
135	Island of Crete	Island cluster
141	Libya, Gulf of Sirte	Coastal sediments
142	Nile Delta, Sinai, Israel, Syria, Jordan, Lebanon, Turkey, Cyprus, Iraq, Suez Canal	Coastal deposits, delta, cloud lines
143	Israel, Jordan, Lebanon, Egypt, Cyprus, Dead Sea, Sea of Galilee	Coastal deposits, cloud lines
359	Egypt, Jordan, Saudi Arabia, Sinai, Syria, Iraq, Turkey, Israel, Red Sea, Dead Sea, Sea of Galilee, Suez Canal, Euphrates River	Irregular coastlines, coastal reefs, island clusters, local winds
452	Libya, Egypt, Nile Delta, Qattara	Local winds, delta

In Sequence: 62-64, 113-114, 141-143





# RED SEA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
1	Nile Delta, Egypt, Suez Canal, Iraq, Israel, Jordan, Saudi Arabia	Delta
22	Egypt, Foul Bay, Eastern Desert	Coastal reefs, white caps
70	Saudi Arabia	Coastal sediments, calcareous reefs
115	Egypt, Saudi Arabia	Irregular coastline, calcareous reefs, discolored water
200	Saudi Arabia, Sudan, Ethiopia	Calcareous reefs, cloud lines, local winds
201	Saudi Arabia, Sudan , Ethiopia,	Coastal calcareous reefs, cloud lines, local winds
202	Saudi Arabia, Yemen, Ethiopia	Coastal calcareous reefs, cloud lines, local winds, sun glitter
275	Egypt, Saudi Arabia, Sinai, Israel, Jordan	Irregular coastline, coastal calcareous reefs
276	Saudi Arabia, Jordan, Israel, Sinai, Nile River, Dead Sea	Irregular coastline, coastal calcareous reefs
277	Saudi Arabia, Al Hijaz area	Irregular coastline, coastal calcareous reefs
319	Egypt, Sudan, Saudi Arabia, Ethiopia, Nile River	Irregular coastline
320	Sudan, Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, Gulf of Aden	Cloud lines, local winds, island clusters
321	Sudan, Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, Gulf of Aden	Cloud lines, local winds, island clusters, coastal calcareous reefs
322	Sudan, Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, Gulf of Aden	Cloud lines, local winds, island clusters, coastal calcareous reefs

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
323	Sudan, Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, Gulf of Aden	Cloud lines, local winds, island clusters, coastal calcareous reefs
324	Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, Gulf of Aden	Cloud lines, local winds, island clusters, coastal calcareous reefs
325	Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, Gulf of Aden	Sun glitter, coastal currents, cloud lines, local winds, island clusters, coastal calcareous reefs
360	Egypt, Saudi Arabia-Al Hijaz area	Coastal calcareous reefs
406	Sudan, Ethiopia, Nile River	Irregular coastline, coastal sediments, coastal calcareous reefs
407	Sudan, Ethiopia	Irregular coastline, coastal sediments, coastal calcareous reefs
408	Sudan, Ethiopia, Saudi Arabia	Irregular coastline, coastal sediments, coastal calcareous reefs
409	Ethiopia, Saudi Arabia, Yemen	Irregular coastline, coastal sediments, coastal calcareous reefs, local winds
410	Ethiopia, Somali, French Somaliland, Yemen, Gulf of Aden	Irregular coastline, coastal sediments, coastal calcareous reefs, local winds
411	Ethiopia, Somali, Yemen, French Somaliland, Gulf of Aden	Sun glitter, coastal currents, irregular coastline, local winds
518	Egypt, Sudan, Saudi Arabia	Irregular coastline, upper level clouds, sun glitter, coastal currents
554	Egypt, Nile Valley, Suez, Gulf of Suez, Sinai	Irregular coastline, coastal calcareous reefs
555	Egypt, Saudi Arabia, Nile Valley, Sinai	Irregular coastline, coastal calcareous reefs

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
556	Egypt, Saudi Arabia, Nile Valley, Sinai	Irregular coastline, coastal calcareous reefs
557	Egypt, Saudi Arabia, Nile Valley, Sinai	Irregular coastline, coastal calcareous reefs
558	Egypt, Saudi Arabia, Nile Valley, Sinai	Irregular coastline, coastal calcareous reefs
559	Egypt, Saudi Arabia, Nile Valley, Sinai	Irregular coast, calcareous reefs, sun glitter, coastal sediments, cloud lines, local winds
591	Egypt, Saudi Arabia, Nile Valley	Irregular coastline, calcareous reefs, high-level clouds
592	Egypt, Saudi Arabia, Nile Valley	Irregular coastline, calcareous reefs, high-level clouds
593	Egypt, Saudi Arabia, Nile Valley	Irregular coastline, calcareous reefs, high-level clouds

In Sequence: 200-202, 275-277, 319-325, 406-411, 554-559, 591-593



# GULF OF ADEN

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
24	Aden Protectorate, Ras Asir, Somali	Coastline, coastal stratus clouds
25	Aden Protectorate	Coastline, coastal stratus, ancient city of Shibam
26	Aden Protectorate	Coastline, coastal stratus
27	Aden Colony, Yemen, Aden Protectorate	Coastal deposits
182	Ras Azir, Somali, Abd al Kuri Island	Coastal deposits
187	Ras Azir, Somali	Irregular coastline, cloud lines
188	Ras Azir, Somali, Socotra Island	Irregular coastline, cloud lines
205	Aden Protectorate, Wadi Hadramaut, Hadramaut Plateau, Shibam	Irregular coastline, coastal deposits
206	Aden Protectorate, Al Mukalla	Coastal deposits
207	Somali, Ras Azir, Ras Hafun	Coastal deposits, cloud lines
320	Sudan, Ethiopia, Somali, French Somaliland, Saudi Arabia, Red Sea	Cloud lines, local winds, island clusters
321	Red Sea, Saudi Arabia, Somali, French Somaliland, Sudan, Ethiopia	Cloud lines, local winds, island clusters, coastal calcareous reefs
322	Red Sea, Saudi Arabia, Yemen, Somali, French Somaliland, Ethiopia	Cloud lines, local winds, island clusters, coastal calcareous reefs
323	Red Sea, Saudi Arabia, Yemen, Somali, French Somaliland, Ethiopia	Cloud lines, local winds, island clusters, coastal calcareous reefs
324	Ethiopia, Saudi Arabia, Yemen, Somali, French Somaliland, Red Sea	Cloud lines, local winds, island clusters, coastal calcareous reefs

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
325	Ethiopia, Saudi Arabia, Yemen, Red Sea, Somali, French Somali- land	Sun glitter, coastal currents, cloud lines, local winds, island clusters, coastal calcareous reefs
326	South Arabia, Somali, Socotra Island, Indian Ocean	Sun glitter, coastal currents, cloud lines, local winds, island clusters, coastal calcareous reefs
327	South Arabia, Somali, Socotra Island, Indian Ocean	Cloud lines, local winds, island clusters, coastal calcareous reefs, coastal deposits
410	Red Sea, Ethiopia, South Arabia, Somali, French Somaliland, Yemen, Port of Aden	Irregular coast, coastal sediments, coastal calcareous reefs, local winds
411	Ethiopia, Red Sea, South Arabia, Somali, French Somali, Yemen	Sun glitter, coastal currents, irregular coastline, local winds
412	Somali, Ras Hafun, Indian Ocean	Sun glitter, coastal currents, irregular coastline, local winds

In Sequence: 24-27, 187-188, 205-207, 320-327, 410-412

# PERSIAN GULF

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
20	Iran coast, looking west	Coastline, coastal calcareous reefs
136	Saudi Arabia, Abu-Ali	Coastal sediments, coastal deposits, coastal calcareous reefs
278	Iran, Saudi Arabia, Trucial Oman, Muscat & Oman, Empty Quarter, Arabian Sea	Irregular coast, cloud lines
279	Iran, Saudi Arabia, Muscat & Oman, Empty Quarter, Gulf of Oman, Arabian Sea	Irregular coast, cloud lines
280	Iran, Saudi Arabia, Trucial Oman, Muscat & Oman, Gulf of Oman, Pakistan	Irregular coast, cloud lines
361	Saudi Arabia, Muscat and Oman, Trucial Oman, Iran, Empty Quarter, Gulf of Oman	Coastal lagoons, cloud lines
453	Iran, Saudi Arabia, Qatar	Irregular coast, coastal sediments, sun glitter
454	Iran, Trucial Oman, Qeshm Island	Irregular coast, coastal sediments, sun glitter
519	Iran, Gulf of Oman, Trucial Oman, Muscat and Oman, Qeshm Island	Coastal sediments, coastal deposits, coastal calcareous reefs
560	Iran, Zagros Mountains	Irregular coastline, coastal calcareous reefs, coastal sediments, cloud lines, local winds
561	Iran, Qeshm Island, Bandar Abbas	Irregular coastline, coastal calcareous reefs, coastal sediments, cloud lines, local winds
562	Iran, Trucial Oman, Gulf of Oman, Qeshm Island	Irregular coastline, coastal calcareous reefs, coastal sediments, cloud lines, local winds

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
563	Iran, Trucial Oman, Qeshm Island, Gulf of Oman	Irregular coastline, coastal calcareous reefs, coastal sediments, cloud lines, local winds

In Sequence: 278-280, 453-454, 560-563



## GULF OF OMAN

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
23	Muscat and Oman, Ras Al Hadd	Coastal sediments, strong surf
278	Persian Gulf, Trucial Oman, Muscat & Oman, Empty Quarter, Arabian Sea	Irregular coastline, cloud lines
279	Persian Gulf, Muscat & Oman, Empty Quarter, Arabian Sea	Irregular coast, cloud lines
280	Persian Gulf, Trucial Oman, Muscat & Oman, Arabian Sea, Pakistan	Irregular coast, cloud lines
361	Persian Gulf, Muscat & Oman, Trucial Oman, Empty Quarter	Coastal lagoons, cloud lines
455	Iran, Hamun-E-Jaz-Murian	Irregular coast, coastal sediments, sun glitter
519	Persian Gulf, Iran, Trucial Oman, Muscat and Oman, Qeshm Island	Coastal sediments, coastal deposits, coastal calcareous reefs
562	Persian Gulf, Iran, Trucial Oman, Qeshm Island, Zagros Mountains	Irregular coast, coastal reefs, coastal sediments, cloud lines, local winds
563	Persian Gulf, Iran, Trucial Oman, Qeshm Island, Zagros Mountains	Irregular coast, coastal calcareous reefs, coastal sediments, cloud lines, local winds

In Sequence: 278-280, 562-563



INDIAN OCEAN



## OPEN OCEAN

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
10	Indian Ocean	Oceanic cumulus
291	Southeast of Ceylon	Bénard cells, upper-level clouds, inter-tropical convergence zone
413	Indian Ocean	Cloud lines, coastal deposits, local winds
414	Indian Ocean	Oceanic cumulus
415	Indian Ocean	Cumulus, Bénard cells, cloud lines
422	Indian Ocean	Cumulus, Bénard cells, cloud lines, upper-level clouds
423	Indian Ocean	Cumulus, Bénard cells, cloud lines, upper-level clouds
424	Indian Ocean	Cumulus, Bénard cells, cloud lines, upper-level clouds
425	Indian Ocean	Cumulus, Bénard cells, cloud lines, upper-level clouds
426	Indian Ocean	Strato-cumulus
547	Indian Ocean	Strato-cumulus, sun glitter
687	Southeast of Madagascar	Cumulus, stratus, von Kármán eddies, cloud eddies

In Sequence: 413-426



EAST AFRICAN COAST

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
71	Mozambique coast, looking south	Cloud lines, coastal sediments, calcareous reefs
72	Malagasy, Madagascar west coast	Coastal sediments
209	Somali, northeast of Mogadishu	Coastal deposits
680	Somali, north of Mogadishu	Coastal sediments, coastal deposits, surf, currents, cumulus
698	Somali coast	Bénard cells, local winds, cloud lines, sun glitter, coastal sediments
699	Somali coast	Bénard cells, local winds, cloud lines, sun glitter, coastal sediments
700	Somali coast	Bénard cells, local winds, cloud lines, sun glitter, coastal sediments

In Sequence: 698-700





# ARABIAN SEA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
23	Muscat & Oman, Ras Al Hadd	Coastal sediments, strong surf
110	India, Gulf of Kutch, Jamnagar	Coastal sediments
182	Ras Azir, Somali, Abd al Kuri Island	Coastal deposits
187	Ras Azir, Somali	Irregular coast, cloud lines
188	Ras Azir, Somali, Socotra Island	Irregular coast, cloud lines
207	Somali, Ras Azir, Ras Hafun	Coastal deposits, cloud lines
208	Socotra Island	Surf, sun glitter, cloud lines, currents
280	Muscat & Oman, Pakistan, Iran, Saudi Arabia, Gulf of Oman	Irregular coast, cloud lines
281	Muscat & Oman, Pakistan, Iran, India	Cloud lines
282	Pakistan, India, Rann of Kutch, Indus River Valley	Cloud lines, Bénard cells
283	India, Lacadive Islands, Ceylon, Bay of Bengal	Cloud lines, Bénard cells
284	Lacadive Islands, India, Ceylon, Bay of Bengal	Cloud lines, Bénard cells
285	Lacadive Islands, India, Ceylon, Bay of Bengal	Cloud lines, Bénard cells
286	Lacadive Islands, India, Ceylon, Bay of Bengal	Cloud lines, Bénard cells
287	Lacadive Islands, India, Ceylon, Bay of Bengal	Cloud lines, Bénard cells
288	Lacadive Islands, India, Ceylon, Bay of Bengal	Cloud lines, Bénard cells

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
289	Lacative Islands, India, Ceylon, Bay of Bengal	Cloud lines, B�nard cells
290	India, Ceylon, Bay of Bengal, Indian Ocean	Cloud lines, B�nard cells
326	Somali, South Arabia, Gulf of Aden, Socotra Island	Sun glitter, coastal currents, cloud lines, local winds, island clusters, coastal calcareous reefs
327	Somali, South Arabia, Gulf of Aden, Socotra Island	Cloud lines, local winds, island clusters, coastal calcareous reefs, coastal deposits
362	Pakistan, India, Indus Valley, Rann of Kutch	Cloud lines
363	India, Gulf of Kutch, Gulf of Cambay	B�nard cells, cloud lines
364	Lacative Islands, India, Ceylon	B�nard cells, cloud lines
365	Lacative Islands, India	B�nard cells, cloud lines, coastal calcareous reefs
366	India, Bay of Bengal	B�nard cells, cloud lines, coastal sediments
412	Somali, Gulf of Aden, Ras Hafun	Sun glitter, coastal currents, irregular coastline, local winds
457	Pakistan, Makran Ranges	Irregular coastline, sun glitter, coastal currents, delta
458	Pakistan, Indus Valley, Nara Canal	Irregular coastline, sun glitter, coastal currents, delta

In Sequence: 187-188, 207-208, 280-281, 282-290, 326-327, 362-366, 457-458

## INDIA-CEYLON, MALDIVE ISLANDS

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
179	India, Madras State, Adam's Bridge, Ceylon	Coastal sediments, coastal deposits, local winds, cloud lines
180	Palk Straits, Madras, India-Ceylon	Coastal sediments, coastal deposits, local winds, clouds lines
181	Palk Straits, Madras, Adam's Bridge, India-Ceylon	Coastal sediments, coastal deposits, local winds, cloud lines
238	Maldivé Islands of Suvadiva and Addu, Indian Ocean	Bénard cells, calcareous reefs atolls, wind shear in clouds
239	Maldivé Islands of Suvadiva and Addu	Bénard cells, calcareous reefs atolls, wind shear in clouds
283	India-Ceylon, Arabian Sea, Bay of Bengal, Lacadive Islands	Cloud lines, Bénard cells
284	India-Ceylon, Lacadive Islands, Arabian Sea, Bay of Bengal	Cloud lines, Bénard cells
285	India-Ceylon, Lacadive Islands, Arabian Sea, Bay of Bengal	Cloud lines, Bénard cells
286	India-Ceylon, Lacadive Islands, Arabian Sea, Bay of Bengal	Cloud lines, Bénard cells
287	India-Ceylon, Lacadive Islands, Arabian Sea, Bay of Bengal	Cloud lines, Bénard cells
288	India-Ceylon, Lacadive Islands, Arabian Sea, Bay of Bengal	Cloud lines, Bénard cells
289	India-Ceylon, Lacadive Islands, Arabian Sea, Bay of Bengal	Cloud lines, Bénard cells
290	India-Ceylon, Lacadive Islands, Arabian Sea, Bay of Bengal	Cloud lines, Bénard cells
328	Arabian Sea, India-Ceylon	Bénard cells, cloud lines

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
329	Maldivé Islands, India-Ceylon	Bénard cells, cloud lines, inter-tropical convergence zone
330	Maldivé Islands, India-Ceylon	Bénard cells, cloud lines, inter-tropical convergence zone, upper-level clouds
331	Maldivé Islands, India-Ceylon	Bénard cells, cloud lines, inter-tropical convergence zone, upper-level clouds
332	Maldivé Islands, India-Ceylon	Bénard cells, cloud lines, inter-tropical convergence zone, upper-level clouds
364	India-Ceylon, Lacadive Islands	Bénard cells, cloud lines
366	India, Arabian Sea, Bay of Bengal	Bénard cells, cloud lines, coastal sediments
367	India-Ceylon, Bay of Bengal	Bénard cells, cloud lines, coastal sediments
368	India-Ceylon, Bay of Bengal	Bénard cells, cloud lines, coastal sediments
369	India-Ceylon, Bay of Bengal	Bénard cells, cloud lines, coastal sediments
416	Maldivé Islands	Cumulus, Bénard cells, cloud lines
417	Maldivé Islands	Cumulus, Bénard cells, cloud lines
418	Maldivé Islands	Cumulus, Bénard cells, cloud lines, upper-level clouds
419	Maldivé Islands	Cumulus, Bénard cells, cloud lines, upper-level clouds
420	Maldivé Islands, India-Ceylon	Cumulus, Bénard cells, cloud lines, upper-level clouds
421	Maldivé Islands, India-Ceylon	Cumulus, Bénard cells, cloud lines, upper-level clouds
445	Maldivé Islands, Suvadiva atoll	Cloud lines, calcareous reefs atolls

In Sequence: 179-181, 238-239, 283-290, 328-332, 364-369, 416-421

## BAY OF BENGAL

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
179	India, Madras, Adam's Bridge, Ceylon	Coastal sediments, coastal deposits, local winds, cloud lines
180	India, Madras, Palk Straits, Ceylon	Coastal sediments, coastal deposits, local winds, cloud lines
181	India, Madras, Adam's Bridge, Palk Straits	Coastal sediments, coastal deposits, local winds, cloud lines
283	Lacative Islands, Arabian Sea, India, Ceylon	Cloud lines, Bénard cells
284	Arabian Sea, Lacative Islands, India, Ceylon	Cloud lines, Bénard cells
285	Arabian Sea, India, Ceylon	Cloud lines, Bénard cells
286	Arabian Sea, India, Ceylon	Cloud lines, Bénard cells
287	Arabian Sea, India, Ceylon	Cloud lines, Bénard cells
288	Arabian Sea, India, Ceylon	Cloud lines, Bénard cells
289	Arabian Sea, India, Ceylon	Cloud lines, Bénard cells
290	Arabian Sea, India, Ceylon	Cloud lines, Bénard cells
366	Arabian Sea, Madras States, India	Bénard cells, cloud lines, coastal sediments
367	Madras States, India, Ceylon	Bénard cells, cloud lines, coastal sediments
368	Madras States, India, Ceylon	Bénard cells, cloud lines, coastal sediments
369	India, Ceylon	Bénard cells, cloud lines, coastal sediments
446	Andaman Islands	Cloud lines, calcareous reefs, atolls

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
447	Burma, mouths of Irrawaddy and Rangoon Rivers	Cloud lines, coastal sediments, coastal deposits, delta
448	Burma, mouths of Irrawaddy and Rangoon Rivers	Cloud lines, coastal sediments, coastal deposits, delta
449	Burma, mouths of Irrawaddy and Rangoon Rivers	Cloud lines, coastal sediments, coastal deposits, delta
450	Burma, mouths of Irrawaddy and Rangoon Rivers	Cloud lines, coastal sediments, coastal deposits, delta

In Sequence: 179-181, 283-290, 366-369, 446-450

# INDONESIA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
270	Sumatra, Siberut Island, Mentawai Archipelago	Bénard cells, island clusters
271	Siberut, Nias, Mentawai Archipelago	Bénard cells, island clusters
272	Sumatra, Siberut, Mentawai Archipelago	Irregular coastline, Bénard cells
273	Sumatra, Straits of Malacca, Malaysia	Coastal sediments, cloud lines
292	West of Sumatra	Bénard cells, upper-level clouds, inter-tropical convergence zone
293	West of Sumatra	Bénard cells, upper-level clouds, inter-tropical convergence zone
294	Sumatra, Java	Bénard cells, upper-level clouds, inter-tropical convergence zone
295	Sumatra, Java	Bénard cells, upper-level clouds, inter-tropical convergence zone
296	Sumatra, Java, Bali, Borneo, Sumbawa	Bénard cells, upper-level clouds, inter-tropical convergence zone
297	Sumatra, Java, Bali, Borneo, Sumbawa	Bénard cells, upper-level clouds, inter-tropical convergence zone
298	Sumatra, Java, Bali, Borneo, Sumbawa	Bénard cells, upper-level clouds, inter-tropical convergence zone
299	Sumatra, Java, Bali, Borneo, Sumbawa	Bénard cells, upper-level clouds, inter-tropical convergence zone
300	Java, Bali, Borneo, Sumbawa	Bénard cells, upper-level clouds, inter-tropical convergence zone
301	Java, Bali, Borneo, Sumbawa	Bénard cells, upper-level clouds, inter-tropical convergence zone



<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
370	Sumatra	Bénard cells, oceanic cumulus, high-level clouds
371	Sumatra	Bénard cells, oceanic cumulus, high-level clouds
372	Java, Borneo, Sumatra	Bénard cells, oceanic cumulus, high-level clouds, inter-tropical convergence zone
373	Sumatra, Java, Borneo	Bénard cells, high-level clouds, oceanic cumulus, inter-tropical convergence zone
374	Sumatra, Java, Borneo	Bénard cells, high-level clouds, oceanic cumulus, inter-tropical convergence zone, coastal sediments
375	Sumatra, Java, Bali, Lombok, Borneo	Bénard cells, high-level clouds, oceanic cumulus, inter-tropical convergence zone, coastal sediments.
376	Java, Bali, Lombok	Oceanic cumulus, cloud lines
377	Java, Bali, Lombok	Oceanic cumulus, cloud lines
378	Java, Bali, Lombok	Oceanic cumulus, cloud lines
386	Timor Sea, Sumba, Flores, Scott Reef, Bonaparte Archipelago	Oceanic cumulus
548	Timor Sea, Banda Sea, Arafura Sea	Oceanic cumulus, strato-cumulus, sun glitter
549	Timor Sea, Banda Sea, Arafura Sea	Oceanic cumulus, strato-cumulus, sun glitter
550	Timor Sea, Banda Sea, Arafura Sea	Oceanic cumulus, strato-cumulus, sun glitter, Bénard cells, island clusters

In Sequence: 270-273, 292-301, 370-378, 548-550



## AUSTRALIA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
302	Northwest coast, Eighty Mile Beach, Great Sandy Desert, Kimberley Plateau, Indonesian Islands	Coastal deposits, coastal cloud lines, calcareous reefs
303	Northwest coast, Eighty Mile Beach, Great Sandy Desert, Kimberley Plateau, Indonesian Islands	Coastal deposits, coastal cloud lines, calcareous reefs
304	Northwest coast, Eighty Mile Beach, Great Sandy Desert, Kimberley Plateau, Arnhemland	Coastal deposits, coastal cloud lines, calcareous reefs
305	Northwest coast, Eighty Mile Beach, Great Sandy Desert, Kimberley Plateau, Arnhemland	Coastal deposits, coastal cloud lines, calcareous reefs
306	Northwest coast, Eighty Mile Beach, Great Sandy Desert, Kimberley Plateau, Arnhemland	Coastal deposits, coastal cloud lines, calcareous reefs
307	Northwest coast, Eighty Mile Beach, Great Sandy Desert, Kimberley Plateau,, Arnhemland, Gulf of Carpentaria, Cape York	Coastal deposits, coastal cloud lines, calcareous reefs
308	Northwest coast, Eighty Mile Beach, Great Sandy Desert, Kimberley Plateau, Arnhemland, Gulf of Carpentaria, Cape York	Coastal deposits, coastal cloud lines, calcareous reefs
333	West of Australia, looking to northeast	Bénard cells, cloud lines, inter-tropical convergence zone, upper-level clouds
334	Ocean west of Australia, looking to northeast	Bénard cells, cloud lines, inter-tropical convergence zone, upper-level clouds
335	Ocean, west of Australia, looking to northeast	Bénard cells, cloud lines, inter-tropical convergence zone, upper-level clouds
336	Ocean, west of Australia, looking to northeast	Bénard cells, cloud lines, inter-tropical convergence zone, upper-level clouds

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
379	Northwest coast, Eighty Mile Beach to Admiralty Gulf, Great Sandy Desert	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs
380	Northwest coast, Eighty Mile Beach to Joseph Bonaparte Gulf, Great Sandy Desert, Kimberley Plateau	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs
381	Eighty Mile Beach to Joseph Bonaparte Gulf, Kimberley Plateau, Great Sandy Desert	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs
382	Eighty Mile Beach to Joseph Bonaparte Gulf, Kimberley Plateau, Great Sandy Desert	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs
383	Eighty Mile Beach to Joseph Bonaparte Gulf, Kimberley Plateau, Great Sandy Desert	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs
384	Eighty Mile Beach to Joseph Bonaparte Gulf, Kimberley Plateau, Great Sandy Desert	Irregular coastline, coastal deposits, coastal sediments, coastal calcareous reefs
385	King Sound to Gulf of Carpentaria	Irregular coastline, coastal sediments, coastal deposits, coastal calcareous reefs
387	Eighty Mile Beach to Port Darwin	Oceanic cumulus
388	Eighty Mile Beach to Port Darwin	Oceanic cumulus
389	Eighty Mile Beach to Port Darwin	Oceanic cumulus
390	King Sound to Port Darwin	Oceanic cumulus
701	West of Australia looking northeast	Strato-cumulus, cumulus, Bénard cells, cloud eddies
702	Australia looking east	Strato-cumulus, cumulus, Bénard cells, cloud eddies

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
703	Australia, looking east	Strato-cumulus, cumulus, Bénard cells, cloud eddies
704	West coast of Australia looking east	Strato-cumulus, cumulus, Bénard cells, cloud eddies

In Sequence: 302-308, 333-336, 379-390, 701-704



PACIFIC OCEAN



OPEN OCEAN

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
60	Bikini Atoll, Marshall Islands	Bénard cells, calcareous reefs, glitter
61	Rongelap Atoll, Ailinginae Atoll, Marshall Islands	Bénard cells, calcareous reefs, sun glitter
91	Near Wake Island	Bénard cells, sun glitter
92	North of Hawaii	Bénard cells
153	--	Moon
154	Western Pacific	Moon
162	Auamotu Archipelago, Atolls of Rangi-roa, Arutua, Apataki, Toau	Calcareous reefs, atolls
176	Hawaiian Islands, Kure, Midway, Pearl-Hermes Reef	Calcareous reefs, atolls
177	Hawaii, Pearl-Hermes Reef	Calcareous reefs, atolls
191	--	Cloud lines, contrail
234	West of Midway Island	Bénard cells
235	Midway Island, Kure	Bénard cells, calcareous reefs, atolls
236	Midway Island, Kure	Bénard cells, calcareous reefs, atolls
237	Pearl-Hermes Reef	Bénard cells, calcareous reefs, atolls
255	--	Bénard cells
256	Pacific Ocean	Bénard cells
268	--	Bénard cells
269	--	Bénard cells
430	West of Mexico	Scattered strato-cumulus, cumulus, Bénard cells

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
431	West of Mexico	Strato-cumulus, incipient Bénard cells
432	West of Mexico	Strato-cumulus, Bénard cells
433	West of Mexico	Strato-cumulus, Bénard cells
437	Pacific Ocean	Bénard cells, cloud lines, sun glitter
438	Pacific Ocean	Bénard cells, cloud lines, sun glitter
439	Pacific Ocean	Bénard cells, cloud lines, sun glitter
440	Pacific Ocean	Bénard cells, cloud lines, sun glitter
441	Pacific Ocean	Strato-cumulus
515	Hawaiian Chain, Midway, Kure, Pearl and Hermes Reef	Oceanic cumulus, cloud lines
516	Hawaiian Chain, Pearl and Hermes Reef, Salmon Bank	Calcareous reefs atolls, oceanic cumulus, cloud lines
517	Hawaiian Chain, Pearl and Hermes Reef, Salmon Bank	Sun glitter, oceanic cumulus, cloud lines
613	Pacific Ocean	Oceanic cumulus, cloud lines
614	Pacific Ocean	Oceanic cumulus, cloud lines, Benard cells
615	Pacific Ocean	Oceanic cumulus, cloud lines, Benard cells
616	Pacific Ocean	Oceanic cumulus, cloud lines
617	Pacific Ocean	Oceanic cumulus, cloud lines
618	Pacific Ocean	Oceanic cumulus, cloud lines
619	Pacific Ocean	Oceanic cumulus, cloud lines
620	Pacific Ocean	Oceanic cumulus, strato-cumulus, Bénard cells



<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
621	West of Mexico	Cloud lines, Bénard cells, cloud eddies, strato-cumulus
622	West of Mexico	Cloud lines, Bénard cells, cloud eddies, strato-cumulus
623	West of Mexico	Cloud lines, Bénard cells, cloud eddies, strato-cumulus
685	Hawaii looking south	Local winds, surf, cloud lines, Bénard cells, discolored water
686	Hawaiian Islands, Maui, Kahoolawe, Molokai, Oahu, Kauai, Hawaii	Local winds, surf, cloud lines, Bénard cells, discolored water

In Sequence: 60-61, 91-92, 176-177, 234-237, 255-256, 268-269, 430-433, 437-441,  
515-517, 613-620, 621-623, 685-686



## SOUTHEAST ASIA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
50	Mouth of Yangtze River, China coast, Hang Chow Wan, Shanghai	Coastal sediments
51	Japan, Honshu Island, Osaka, Nagoya	Coastal sediments
52	Taiwan	Coastal sediments
107	China, Kwangtung-Kwangsi Provinces, Gulf of Tonkin, Leiuchon Pen.	Coastal sediments, coastal deposits
118	China, Kwangtung Province, Hong Kong, Macao	Coastal sediments
128	Japan, Ise Wan, Nagoya	Local winds, lagoon
129	Japan, Ise Wan, Nagoya, Osaka	Local winds, lagoon
130	China, Fukien Province, mouth of Fut'un Min River, Fouchou City	Sun glitter, coastal sediments, coastal currents, island wakes
240	China, Fukien Province, Taiwan, Formosa Strait, Pescadores Island	Coastal sediments, coastal currents
241	China, Fukien and Chekiang Provinces, Formosa Strait, Pescadores Islands, Hang Chou Wan	Coastal sediments
242	China, Fukien Province, Formosa Strait, Taiwan, Pescadores Islands	Coastal sediments, currents
243	China, Fukien Province, Taiwan, Formosa Strait	Coastal sediments, currents, island clusters, sun glitter
244	Taiwan, Kaohsiung City	Coastal currents, sun glitter, waves, coastal sediments, coastal deposits
245	Ryukyu Islands, Sakishima Gunto Group, Iriomote Jima, Ishigaki Shima	Cloud lines, calcareous reefs islands

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
246	Daito Islands, Kita Daito Jima	Bénard cells, island wake
247	Daito Islands, Kita Daito Jima	Bénard cells, island wake, sun glitter
248	China, Fukien Province, Formosa Strait	Coastal sediments
249	China, Fukien and Kwangtung Provinces, Formosa Strait, Quemoy Island, Pescadores Islands	Coastal sediments
250	China, Fukien Province, Amoy City, Quemoy Island, Formosa Strait, Taiwan	Coastal sediments, island wake, cloud lines
251	China, Fukien Province, Fuchou City, Formosa Strait, Pescadores Islands	Coastal sediments
252	China, Fukien Province, Taiwan, Formosa Strait	Coastal sediments, island wake, cloud lines, oceanic cumulus
253	Taiwan, looking south	Coastal sediments, cloud lines
254	China, Chekiang coast, Hang Chow Wan, East China Sea, south of Yangtze Estuary	Coastal sediments
274	Gulf of Siam, Malaysia, Straits of Malacca, Kuala Lumpur, Indonesia	Coastal sediments, cloud lines
355	Southeast of Japan	Cumulonimbus, strato-cumulus, typhoon ("Elsie")

In Sequence: 50-51, 128-129, 240-247, 248-254

# INDONESIA, PHILIPPINES

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
103	Philippines, Luzon	Coastal sediments, stream discharge
104	Philippines, Luzon	Coastal sediments, cloud lines
108	Luzon, Linguyan Gulf	Coastal sediments
109	Southeast Luzon	Irregular coastline, coastal deposits
270	Sumatra, Siberut, Mentawai Archipelago	Bénard cells, island clusters
271	Siberut, Nias, Mentawai Archipelago	Bénard cells, island clusters
272	Sumatra, Siberut, Mentawai Archipelago	Irregular coastline, Bénard cells
273	Sumatra, Straits of Malacca, Malaysia	Coastal sediments, cloud lines
274	Malaysia, Straits of Malacca, Kuala Lumpur, Gulf of Siam	Coastal sediments, cloud lines
294	Sumatra, Java, -- west coasts	Bénard cells, upper-level clouds, inter-tropical convergence zone
295	Sumatra, Java, -- west coasts	Bénard cells, upper-level clouds, inter-tropical convergence zone
296	Sumatra, Java, Bali, Borneo, Sumbawa	Bénard cells, upper-level clouds, inter-tropical convergence zone
297	Sumatra, Java, Bali, Borneo, Sumbawa	Bénard cells, upper-level clouds, inter-tropical convergence zone
298	Sumatra, Java, Bali, Borneo, Sumbawa	Bénard cells, upper-level clouds, inter-tropical convergence zone
299	Sumatra, Java, Bali, Borneo, Sumbawa	Bénard cells, upper-level clouds, inter-tropical convergence zone

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
300	Java, Bali, Borneo, Sumbawa	Bénard cells, upper-level clouds, inter-tropical convergence zone
301	Java, Bali, Borneo, Sumbawa	Bénard cells, upper-level clouds, inter-tropical convergence zone
302	South Indonesia, Australian coast	Coastal deposits, coastal cloud lines, calcareous reefs
303	South Indonesia, Australian coast	Coastal deposits, coastal cloud lines, calcareous reefs
370	Sumatra, looking northeast	Bénard cells, oceanic cumulus, high-level clouds
371	Sumatra, looking northeast	Bénard cells, oceanic cumulus, high-level clouds
372	Java, Borneo, Sumatra	Bénard cells, oceanic cumulus, high-level clouds, inter-tropical convergence zone
373	Java, Borneo, Sumatra	Bénard cells, oceanic cumulus, high-level clouds, inter-tropical convergence zone
374	Java, Borneo, Sumatra	Bénard cells, oceanic cumulus, high-level clouds, inter-tropical convergence zone, coastal sediments
375	Java, Bali, Lombok, Sumatra, Borneo	Bénard cells, oceanic cumulus, high-level clouds, inter-tropical convergence zone, coastal sediments
376	Java, Bali, Lombok	Oceanic cumulus, cloud lines
377	Java, Bali, Lombok	Oceanic cumulus, cloud lines
378	Bali, Java, Lombok	Oceanic cumulus, cloud lines

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
386	Timor Sea, Timor Island, Sumba Island, Flores, Scott Reef, Bonaparte Archipelago	Oceanic cumulus
548	Timor Sea, Banda Sea, Arafura Sea	Oceanic cumulus, strato-cumulus, sun glitter
549	Timor, Timor Sea, Banda Sea, Arafura Sea	Oceanic cumulus, strato-cumulus, sun glitter
550	Timor, Banda Sea, Timor Sea, Arafura Sea	Oceanic cumulus, strato-cumulus, sun glitter, Bénard cells, island clusters

In Sequence: 103-104, 270-274, 294-303, 370-378, 548-550





AUSTRALIA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
65	Gulf of Carpentaria	Local winds, coastal sediments
66	Queensland, Gulf of Carpentaria	Local winds, coastal sediments
67	Queensland, Shoal Water Bay, Cape Manifold	Local winds, coastal sediments
68	Queensland, Keppel Bay, Capricorn Island	Coastal sediments, calcareous reefs
111	North coast, Wessel Islands	Coastal sediments, coastal deposits, cumulus
131	Cape York, Queensland, Great Barrier Reef	Calcareous reefs, coastal sediments
132	Cape York, Queensland	Coastal sediments, coastal deposits
133	Cape York, Queensland	Coastal sediments, coastal deposits
302	Eighty Mile Beach, Indonesia	Coastal deposits, coastal cloud lines, calcareous reefs
303	Eighty Mile Beach, Indonesia	Coastal deposits, coastal cloud lines, calcareous reefs
304	Eighty Mile Beach	Coastal deposits, coastal cloud lines, calcareous reefs
305	Eighty Mile Beach	Coastal deposits, coastal cloud lines, calcareous reefs
306	Eighty Mile Beach	Coastal deposits, coastal cloud lines, calcareous reefs
307	Eighty Mile Beach, Gulf of Carpentaria, Cape York	Coastal deposits, coastal cloud lines, calcareous reefs
308	Eighty Mile Beach, Cape York, Gulf of Carpentaria	Coastal deposits, coastal cloud lines, calcareous reefs

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
379	Eighty Mile Beach to Admiralty Gulf	Irregular coast line, coastal sediments, coastal deposits, calcareous reefs
380	Eighty Mile Beach to Joseph Bonaparte Gulf	Irregular coastline, coastal sediments, coastal deposits, calcareous reefs
381	Eighty Mile Beach to Joseph Bonaparte Gulf	Irregular coastline, coastal sediments, coastal deposits, calcareous reefs
382	Eighty Mile Beach to Joseph Bonaparte Gulf	Irregular coastline, coastal sediments, coastal deposits, calcareous reefs
383	Eighty Mile Beach to Joseph Bonaparte Gulf	Irregular coastline, coastal sediments, coastal deposits, calcareous reefs
384	Eighty Mile Beach to Joseph Bonaparte Gulf	Irregular coastline, coastal sediments, coastal deposits, calcareous reefs
385	King Sound to Gulf of Carpentaria	Irregular coastline, coastal sediments, coastal deposits, calcareous reefs
387	Eighty Mile Beach to Port Darwin	Oceanic cumulus
388	Eighty Mile Beach to Port Darwin	Oceanic cumulus
389	Eighty Mile Beach to Port Darwin	Oceanic cumulus
390	King Sound to Port Darwin	Oceanic cumulus

In Sequence: 65-68, 131-133, 302-308, 379-390

UNITED STATES, MEXICO

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
46	Baja California, La Paz, Gulf of California	Coastline, stratus
47	Gulf of California, Baja California, La Paz	Irregular coastline, sun glitter, cloud lines
58	Gulf of California, Sonora, Mexico	Coastal cloud eddy
76	Gulf of California, Baja California, La Paz	Irregular coastline
77	Gulf of California, Baja California, La Paz	Irregular coastline
81	Gulf of California, Sonora, Baja California	Coastal stratus
93	Baja California, San Luis Obispo to Ensenada	Coastal strato-cumulus, smog
94	Baja California, Vizcaino Bay	Coastal strato-cumulus, bow wave, von Kármán eddies
95	Baja California, Guadalupe Island	Strato-cumulus, Bénard cells, cloud bow wave, von Kármán eddy
96	Baja California, Vizcaino Bay, Scammon Lagoon	Strato-cumulus, coastal sediments, lagoon
97	Baja California (east), Gulf of California, Angel de la Guarda Island	Sun glitter, discolored water
98	Gulf of California, Mexico, Tiburon Island	Coastal sediments, discolored water
99	Baja California, Vizcaino Bay, Gulf of California, Tiburon Island, Mexico	Coastal strato-cumulus, irregular coastline, discolored water, coastal deposits, coastal sediments, sun glitter
100	Baja California, Gulf of California, Sonora, Mexico, Colorado River	Coastal sediments, delta

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
124	California, Malibu to Rosarita Beach	Bénard cells, cloud lines, strato-cumulus, smog
151	Guadalupe Island, Baja California	Surf, cloud lines
152	Baja California, Scammon Lagoon, Vizcaino Bay, Adros Island, Gulf of California	Coastal deposits, lagoon
166	Baja California, Scammon Lagoon, Vizcaino Bay, Punta Eugenia, Gulf of California, Mexico	Irregular coastline, lagoon
186	Mexico, Golfo de Tehuantepec	Irregular coastline, lagoon
434	Baja California (east), Gulf of California, La Paz, Sinaloa, Mexico	Sun glitter, cloud lines, currents, eddies, coastal deposits
442	Baja California, Gulf of California	Strato-cumulus, cloud lines, coastal deposits
443	Mexico near Manzanillo	Strato-cumulus, cumulus, cloud lines
444	Mexico near Manzanillo	Strato-cumulus, cumulus, cloud lines
461	Baja California, Scammon Lagoon, Vizcaino Bay, Gulf of California, Mexico, Sonora	Upper-level clouds, coastal deposits, cloud lines, irregular coastline, contrail
462	Baja California (east), Gulf of California, Sonora	Upper-level clouds, coastal deposits, cloud lines, contrail
487	Baja California, Scammon Lagoon, Vizcaino Bay, Gulf of California	Irregular coast, coastal deposits, Bénard cells, strato-cumulus, sun glitter, high-level clouds
488	Baja California, Scammon Lagoon, Vizcaino Bay, Gulf of California	Coastal currents, irregular coast, strato-cumulus, coastal deposits, Bénard cells, sun glitter, high-level clouds
489	Baja California, Scammon Lagoon, Vizcaino Bay, Gulf of California	Coastal currents, irregular coast, strato-cumulus, coastal deposits, Bénard cells, sun glitter, high-level clouds

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
490	Baja California, Scammon Lagoon, Vizcaino Bay, Gulf of California	Coastal currents, irregular coast, strato-cumulus, coastal deposits, Bénard cells, sun glitter, high-level clouds
491	Baja California, Scammon Lagoon, Vizcaino Bay, Gulf of California, Sonora	Coastal currents, irregular coast, strato-cumulus, coastal deposits, Bénard cells, sun glitter, high-level clouds
492	Baja California, Scammon Lagoon, Vizcaino Bay, Gulf of California, Sonora	Coastal currents, irregular coast, strato-cumulus, coastal deposits, Bénard cells, sun glitter, high-level clouds
493	Baja California, Scammon Lagoon, Vizcaino Bay, Gulf of California, Sonora	Coastal currents, irregular coast, strato-cumulus, coastal deposits, Bénard cells, sun glitter, high-level clouds
494	Baja California, Scammon Lagoon, Vizcaino Bay, Gulf of California, Sonora	Coastal currents, irregular coast, strato-cumulus, coastal deposits, Bénard cells, sun glitter, high-level clouds
495	Baja California, Gulf of California, Sonora, Sinaloa	Coastal currents, irregular coast, strato-cumulus, coastal deposits, Bénard cells, sun glitter, high-level clouds
496	Baja California, Gulf of California, Sonora, Sinaloa	Coastal currents, irregular coast, strato-cumulus, coastal deposits, Bénard cells, sun glitter, high-level clouds
497	Baja California, Gulf of California, Sonora, Sinaloa	Coastal currents, irregular coast, strato-cumulus, coastal deposits, Bénard cells, sun glitter, high-level clouds
543	Baja California, Gulf of California, Sonora, Guaymas	Irregular coastline, strato-cumulus, sun glitter, cloud bow wave
544	Baja California, Gulf of California, Sonora, Sinaloa	Irregular coastline, strato-cumulus, sun glitter, cloud bow wave
545	Baja California, Gulf of California, Sonora, Sinaloa	Irregular coastline, strato-cumulus, sun glitter, cloud bow wave

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
546	Baja California, Gulf of California, Sonora, Sinaloa	Irregular coastline, strato-cumulus, sun glitter, cloud bow wave
564	Guadalupe Island, Baja California	Bénard cells, von Kármán eddies, cloud eddies
565	Guadalupe Island, Baja California	Bénard cells, von Kármán eddies, cloud eddies
566	Guadalupe Island, Baja California	Bénard cells, von Kármán eddies, cloud eddies
567	Guadalupe Island, Baja California	Bénard cells, von Kármán eddies, cloud eddies
583	Baja California, Gulf of California	Strato-cumulus, cloud lines, coastal deposits, local winds
584	Baja California, Gulf of California, Mexico	Strato-cumulus, cloud lines, coastal deposits, local winds
585	Baja California, Gulf of California, Mexico	Strato-cumulus, cloud lines, coastal deposits, local winds
586	Baja California, Gulf of California, Mexico	Strato-cumulus, cloud lines, coastal deposits, local winds
587	Sinaloa, Jalisco, Michoacan, Mexico	Cloud lines, strato-cumulus
624	Culiacan to Acapulco, Mexico	Cloud lines, Bénard cells, strato-cumulus, irregular coastline, coastal cloud eddy
625	Mexico, Culiacan to Manzanillo	Cloud lines, Bénard cells, strato-cumulus, irregular coastline, coastal cloud eddy
626	Mexico, Mazatlan to Manzanillo	Cloud lines, Bénard cells, strato-cumulus, irregular coastline, coastal cloud eddy, coastal deposits
627	Mexico, Guadalajara, Guaymas	Irregular coastline, cloud lines, coastal deposits
632	Mexico, Isthmus of Tehuantepec, Guatemala, Yucatan	Local winds, coastal sediments, cloud lines, Bénard cells



<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
658	Baja California, Gulf of California, Mexico, Sonora, Sinaloa	Coastal sediments, coastal deposits, cloud lines, contrails
659	Baja California, Gulf of California, Mexico, Sonora, Sinaloa	Coastal sediments, coastal deposits, cloud lines, contrails
660	Baja California, Gulf of California, Mexico, Sinaloa, Nayarit, Jalisco	Coastal sediments, coastal deposits, sun glitter
661	Baja California, Mexico, Gulf of California, Sinaloa, Sonora	Coastal sediments, coastal deposits, sun glitter
667	Gulf of California, mouth of Colorado River, Mexico	Delta, discolored water, irregular coastline, coastal sediments, coastal deposits
668	Gulf of California, mouth of Colorado River, Mexico	Delta, discolored water, coastal deposits, irregular coastline, coastal sediments
669	Gulf of California, mouth of Colorado River, Mexico	Delta, discolored water, coastal deposits, irregular coastline, coastal sediments
670	Gulf of California, mouth of Colorado River, Mexico	Delta, discolored water, coastal deposits, irregular coastline, coastal sediments
688	Baja California, Pacific coast	Cumulus, stratus, von Kármán eddies, cloud eddies
689	Guadalupe Island, Baja California	Cumulus, stratus, von Kármán eddies, cloud eddies
692	South Mexico looking southeast	Stratus, Bénard cells, wind shear in clouds
705	South Mexico	Cumulus, upper-level clouds, sun glitter

In Sequence: 46-47, 76-77, 93-100, 151-152, 442-444, 461-462, 487-497, 543-546,  
564-567, 583-587, 624-632, 568-661, 667-670, 688-689





CENTRAL & SOUTH AMERICA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
78	Honduras, Nicaragua, Gulf of Fonseca	Coastal sediments
127	Honduras, Nicaragua	Coastal sediments, Bénard cells, calcareous reefs
192	Andes, Bolivia, looking southwest to Chile	High-level cloud waves
193	Honduras, El Salvador, Nicaragua	Coastal sediments
632	Guatemala, Isthmus of Tehuantepec, Mexico, Yucatan	Local winds, coastal sediments, cloud lines, Bénard cells



GULF OF MEXICO



OPEN OCEAN

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
634	--	Strato-cumulus , cloud lines
635	--	Strato-cumulus
636	--	Strato-cumulus
637	--	Strato-cumulus

In Sequence: 634-637



MEXICO

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
31	Tamaulipas, Texas	Bénard cells, oceanic cumulus, local winds
48	Campeche, Laguna de Terminos	Coastal sediments, coastal deposits, local winds
59	Tamaulipas, Texas	Coastal deposits, coastline, cloud lines, Bénard cells
167	Tamaulipas, Rio Soto, La Marina	Coastal sediments, coastal deposits, surf
173	Tamaulipas, Vera Cruz states, Cabo Rojo	Coastal deposits
264	Matagorda Bay to Boca Jesus Maria	Coastal deposits, Bénard cells
265	Corpus Christi Bay to Laguna Madre	Coastal deposits, Bénard cells
338	Mexico, Texas, Rio Grande River	Cumulus, strato-cumulus
465	Mexico, Texas, Louisiana	Coastal sediments, coastal deposits
480	Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, coastal eddies, convergence, delta
481	Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, coastal eddies, convergence, delta
482	Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, coastal eddies, convergence, delta
483	Mexico, Texas, Louisiana	Coastal sediments, coastal deposits, coastal currents, coastal eddies, delta
499	Laguna Madre to Matagorda	Coastal deposits, coastal sediments
500	Laguna Madre to Matagorda	Coastal deposits, coastal sediments

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
501	Laguna Madre to Matagorda	Coastal deposits, coastal sediments
502	Laguna Madre to Matagorda	Coastal deposits, coastal sediments
633	Yucatan, Yucatan Straits, Cuba	Calcareous reefs, cloud lines, coastal deposits, coastal sediments
125	Mexico, Yucatan	Coastal deposits, calcareous reefs, Bénard cells

In Sequence: 264-265, 465-483, 499-502



## TEXAS

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
31	Texas, Tamaulipas	Bénard cells, oceanic cumulus, local winds
59	Texas, Mexico	Coastal deposits, cloud lines, Bénard cells
75	Corpus Christi	Bénard cells, local winds
264	Matagorda Bay to Boca Jesus Maria, Mexico	Coastal deposits, Bénard cells
265	Texas, Mexico, Corpus Christi Bay to Laguna Madre	Coastal deposits, Bénard cells
266	Matagorda Island	Coastal sediments, Bénard cells
267	Brazos River to Vermilion Bay, Louisiana	Coastal sediments, Bénard cells
338	Texas, Mexico	Cumulus, strato-cumulus
339	Corpus Christi to mouth of Mississippi River	Coastal deposits, sun glitter, cloud lines, coastal haze, contrail
340	Aransas Bay to Mobile, Ala.	Coastal deposits, sun glitter, cloud lines, coastal haze, contrail
341	Galveston to Mobile Bay, Ala.	Coastal deposits, cloud lines, coastal haze, contrail, convergence
465	Mexico to Louisiana	Coastal sediments, coastal deposits
466	Corpus Christi to Louisiana	Coastal sediments, coastal deposits
467	Corpus Christi to Louisiana	Coastal sediments, coastal deposits
468	Corpus Christi to Louisiana	Coastal currents, coastal sediments, coastal deposits
469	Matagorda to Vermilion Bay, Louisiana	Coastal currents, coastal sediments, coastal deposits

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
470	Matagorda to Vermilion Bay, Houston, Manned Spacecraft Center	Coastal currents, coastal sediments, coastal deposits, delta
471	Matagorda to Vermilion Bay, Houston, Manned Spacecraft Center, Astrodome	Coastal currents, coastal sediments, coastal deposits, delta
472	Matagorda to Vermilion Bay, Houston, Manned Spacecraft Center	Coastal currents, coastal sediments, coastal deposits, delta
473	Matagorda to Vermilion Bay, La.	Coastal currents, coastal sediments, coastal deposits, delta
474	Matagorda to Vermilion Bay, La.	Coastal eddies, coastal currents, delta, coastal sediments, coastal deposits
475	Matagorda to Vermilion Bay (Astrodome, MSC, Clear Lake, Ellington AFB)	Coastal eddies, coastal currents, delta, coastal sediments, coastal deposits
476	Matagorda to Vermilion Bay, Houston ship channel	Coastal eddies, coastal currents, delta, coastal sediments, coastal deposits
477	Matagorda to Vermilion Bay, La.	Coastal eddies, coastal currents, delta, coastal sediments, coastal deposits
478	Texas, Louisiana	Convergence, coastal eddies, coastal currents, coastal sediments and deposits, delta
479	Texas, Louisiana	Convergence, coastal eddies, currents, sediments, deposits, delta
480	Rio Grande River to Calcasieu Lake, La.	Convergence, coastal eddies, currents, sediments, and deposits, delta
481	Rio Grande River to Calcasieu Lake, La.	Convergence, coastal eddies, coastal currents, coastal sediments, coastal deposits, delta
482	Rio Grande River to Calcasieu Lake, La.	Convergence, coastal eddies, coastal currents, coastal sediments, coastal deposits, delta

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
483	Rio Grande River to Calcasieu Lake, La.	Coastal sediments, coastal currents, coastal deposits, coastal eddies, delta
499	Matagorda to Laguna Madre, Mexico	Coastal deposits, coastal sediments
500	Matagorda to Laguna Madre, Mexico	Coastal deposits, coastal sediments
501	Matagorda to Laguna Madre, Mexico	Coastal deposits, coastal sediments
502	Matagorda to Laguna Madre, Mexico	Coastal deposits, coastal sediments
503	Matagorda to Vermilion Bay, La.	Coastal deposits, coastal sediments, eddies, currents
504	Matagorda to Vermilion Bay, La.	Coastal deposits, coastal sediments, eddies, currents
537	Baffin Bay to Matagorda Bay	Coastal sediments, strato cumulus
538	Matagorda Bay	Coastal sediments, strato cumulus
570	Matagorda, Freeport	Coastal deposits
571	Texas, Louisiana	Coastal deposits
572	Texas, Louisiana	Coastal deposits
573	Texas, Louisiana	Coastal deposits
574	Texas, Louisiana	Coastal deposits
575	Texas, Louisiana	Coastal deposits
576	Texas, Louisiana	Coastal deposits
577	Texas, Louisiana, Lake Charles	Coastal sediments, coastal deposits
578	Texas, Louisiana, Lake Charles	Coastal sediments, coastal deposits

In Sequence: 264-267, 338-341, 465-483, 499-504, 537-538, 570-578



LOUISIANA, MISSISSIPPI, ALABAMA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
116	Mobile, Alabama to Pensacola, Florida	Bénard cells, cloud lines, coastal deposits barrier islands
218	Mouth of Mississippi River	Coastal sediments, coastal deposits, cloud lines, delta
219	Mississippi River to Cape San Blas, Florida	Coastal sediments, coastal deposits
267	Vermilion Bay to Brazo River, Tex.	Coastal sediments, Bénard cells
339	Mississippi River to Corpus Christi, Texas	Coastal deposits, sun glitter, cloud lines, coastal haze, contrail
340	Mobile, Alabama to Aransas Bay, Texas	Coastal deposits, sun glitter, cloud lines, coastal haze, contrail
341	Mobile, Alabama to Galveston, Texas	Convergence, coastal deposits, cloud lines, coastal haze, contrail
342	Vermilion Bay to Pensacola, Mississippi River	Cloud lines, convergence, coastal haze, coastal sediments, delta
343	Atchafalya Bay to Apalachicola, Florida, Mississippi River	Cloud lines, convergence, coastal haze, coastal sediments, delta
465	Louisiana, Texas, Mexico	Coastal sediments, coastal deposits
466	Louisiana, Texas	Coastal sediments, coastal deposits
467	Louisiana, Texas	Coastal sediments, coastal deposits
468	Louisiana, Texas	Coastal currents, coastal sediments, coastal deposits
469	Vermilion Bay, Louisiana, to Matagorda, Texas	Coastal currents, coastal sediments, coastal deposits
470	Vermilion Bay, Louisiana, to Matagorda, Texas	Coastal currents, coastal sediments, coastal deposits, delta

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
471	Vermilion Bay, Louisiana, to Matagorda, Texas	Coastal currents, coastal sediments, coastal deposits, delta
472	Vermilion Bay, Louisiana, to Matagorda, Texas	Coastal currents, coastal sediments, coastal deposits, delta
473	Vermilion Bay, Louisiana, to Matagorda, Texas	Coastal currents, coastal sediments, coastal deposits, delta
474	Vermilion Bay, Louisiana, to Matagorda, Texas	Coastal eddies, coastal currents, delta, coastal deposits, coastal sediments
475	Vermilion Bay, Louisiana, to Matagorda, Texas	Coastal eddies, coastal currents, delta, coastal deposits, coastal sediments
476	Vermilion Bay, Louisiana, to Matagorda, Texas	Coastal eddies, coastal currents, delta, coastal deposits, coastal sediments
477	Vermilion Bay, Louisiana, to Matagorda, Texas	Coastal eddies, coastal currents, delta, coastal deposits, coastal sediments
478	Louisiana, Texas	Convergence, coastal eddies, coastal currents, coastal deposits, coastal sediments, delta
479	Louisiana, Texas	Convergence, coastal currents, coastal eddies, coastal deposits, coastal sediments, delta
480	Calcasieu, Louisiana, to Rio Grande River	Convergence, coastal sediments, coastal eddies, coastal deposits, coastal currents, delta
481	Calcasieu, Louisiana, to Rio Grande River	Convergence, coastal sediments, coastal eddies, coastal deposits, coastal currents, delta
482	Calcasieu, Louisiana, to Rio Grande River	Convergence, coastal sediments, coastal eddies, coastal deposits, coastal currents, delta
483	Calcasieu, Louisiana, to Rio Grande River	Coastal sediments, coastal eddies, coastal deposits, coastal currents, delta

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
503	Vermilion Bay, Louisiana, to Matagorda, Texas	Coastal deposits, coastal sediments, eddies, currents
504	Vermilion Bay, Louisiana, to Matagorda, Texas	Coastal deposits, coastal sediments, eddies, currents
571	Louisiana, Texas	Coastal deposits
572	Louisiana, Texas	Coastal deposits
573	Louisiana, Texas	Coastal deposits
574	Louisiana, Texas	Coastal deposits
575	Louisiana, Texas	Coastal deposits
576	Louisiana, Texas	Coastal deposits
577	Louisiana, Texas	Coastal deposits, coastal sediments
578	Louisiana, Texas	Coastal deposits, coastal sediments

In Sequence: 218-219, 339-343, 465-483, 503-504, 571-578





## FLORIDA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
3	Cape Sable, Keys, Everglades	Coastal calcareous reefs, coastal current, coastal sediments, sun glitter
4	Florida Straits, Grand Bahama Bank	Sun glitter, calcareous reefs
32	Atlantic Ocean, Florida Straits	Bénard cells, oceanic cumulus, local winds
39	Central, Gulf and Atlantic	Bénard cells, oceanic cumulus, local winds
54	Central, looking north, Atlantic Ocean, Florida Keys	Cloud lines, Bénard cells, oceanic cumulus, coastal sediments
82	Central, Atlantic Ocean looking south	Oceanic cumulus, cloud lines, local winds
116	Pensacola to Mobile, Alabama	Bénard cells, cloud lines, local winds, coastal deposits
120	Central part looking southeast, Atlantic Ocean	Bénard cells, cloud lines, local winds, coastal deposits
148	Florida Keys	Calcareous reefs
149	Florida Keys	Calcareous reefs
150	Cape Sable, Florida Keys	Calcareous reefs
210	Cape Sable, Keys, Bays	Coastal calcareous reefs, coastal sediments
219	Cape San Blas to Mississippi River	Coastal sediments, coastal deposits
342	Pensacola to Mississippi River and Vermilion Bay, Louisiana	Cloud lines, convergence, coastal haze, coastal sediments, delta
343	Apalachicola to Atchafalya Bay, Louisiana	Cloud lines, convergence, coastal haze, coastal sediments, delta

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
344	Cape San Blas	Cloud lines, convergence, coastal haze, coastal sediments
347	Central, Atlantic Ocean	Sun glitter, cumulus, strato-cumulus, coastal deposits
348	Tampa, Atlantic Ocean	Sun glitter, cumulus, strato-cumulus, coastal deposits
505	Keys, Florida Straits	Cloud lines, Benard cells, coastal calcareous reefs
506	Keys, Cay Sal Bank, Cuba	Cloud lines, B�nard cells, coastal calcareous reefs
525	Cape Sable, Bahama Islands, Cuba	Coastal deposits, coastal calcareous reefs, cloud lines, sun glitter, coastal currents
526	Cape Sable, Bahama Islands, Cuba	Coastal deposits, coastal calcareous reefs, cloud lines, sun glitter, coastal currents
527	Cape Sable, Bahama Islands,	Coastal deposits, cloud lines, sun glitter, coastal calcareous reefs, coastal currents
528	Cape Sable, Bahamas, Cuba	Coastal deposits, cloud lines, sun glitter, coastal calcareous reefs, coastal currents
529	Cape Sable, Bahamas, Cuba	Coastal deposits, cloud lines, sun glitter, coastal calcareous reefs, coastal currents
530	Cape Sable, Bahamas, Cuba	Coastal deposits, cloud lines, sun glitter, coastal calcareous reefs, coastal currents
531	Cape Sable, Bahamas, Cuba	Coastal deposits, cloud lines, sun glitter, coastal calcareous reefs, coastal currents
532	Cape Sable, Bahamas, Cuba	Coastal deposits, cloud lines, sun glitter, coastal calcareous reefs, coastal currents
533	Cape Sable, Bahamas, Cuba	Coastal deposits, cloud lines, sun glitter, coastal calcareous reefs, coastal currents

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
539	Tampa, Lake Okeechobee, Atlantic Ocean	Coastal deposits, cloud lines
540	Tampa, Lake Okeechobee, Keys, Everglades, Atlantic Ocean	Coastal deposits, cloud lines, calcareous reefs
638	South Florida, Atlantic Ocean	Coastal sediments, deposits, cloud lines, local winds
639	South Florida, Atlantic Ocean	Coastal deposits, cloud lines, local winds, coastal sediments
640	South Florida, Atlantic Ocean	Cloud lines, coastal deposits, coastal sediments, local winds
641	South Florida, Atlantic Ocean, Bahamas	Coastal deposits, cloud lines, local winds, calcareous reefs, coastal sediments
642	South Florida, Atlantic Ocean, Bahamas	Coastal deposits, cloud lines, calcareous reefs, local winds, coastal sediments
643	South Florida, Atlantic Ocean, Bahamas	Coastal sediments, coastal deposits, local winds, calcareous reefs, cloud lines
644	South Florida, Atlantic Ocean, Bahamas	Coastal sediments, local winds, coastal deposits, cloud lines, calcareous reefs
649	Florida Straits, Bahama Bank, Florida, Florida Keys	Calcareous reefs, cloud lines, Bénard cells

In Sequence: 3-4, 148-150, 342-348, 505-506, 525-533, 539-540, 638-649



CARIBBEAN SEA



CENTRAL, SOUTH AMERICA

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
49	British Honduras, Gulf of Honduras	Calcareous reefs
101	Yucatan, British Honduras, Gulf of Honduras	Calcareous reefs
102	Honduras, Nicaragua	Coastal sediments
126	Yucatan Peninsula, British Honduras	Oceanic cumulus, local winds
127	Honduras, Nicaragua	Coastal sediments, calcareous reefs, Bénard cells
178	Mexico, Quintana Roo, Yucatan Peninsula, British Honduras	Coastal calcareous reefs
185	Venezuela, Peninsula de Araya	Local winds, cumulus
193	Honduras, El Salvador, Nicaragua, Pacific Ocean	Coastal sediments
194	Columbia, Peninsula de la Guajira	Bénard cells, high-level clouds
195	Venezuela, Peninsula de Paraguana, Columbia, Peninsula de la Guajira	Cloud lines, high-level clouds
220	Islas Los Roques, Venezuela	Coastal calcareous reefs; fish school
221	Islas Los Roques, Venezuela, Isla Orchila	Coastal calcareous reefs, fish school
222	Isla La Tortuga, Venezuela	Coastal calcareous reefs
223	Isla La Tortuga, Venezuela	Coastal islands
224	Isla La Tortuga, Venezuela	Coastal islands
258	Venezuela, Trinidad, mouths of Orinoco and Essequibo Rivers	Bénard cells, coastal sediments, currents, cumulus, delta

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
259	Venezuela, Trinidad, mouth of Orinoco River	Bénard cells, coastal sediments, currents, cumulus
260	Venezuela, Trinidad, mouths of Orinoco and Essequibo Rivers	Bénard cells, coastal sediments, currents, cumulus
509	Yucatan, Gulf of Honduras, Honduras, Cuba	Cloud lines, Bénard cells, sun glitter, coastal calcareous reefs
510	Honduras, Gulf of Honduras, Cuba, Jamaica	Cloud lines, Bénard cells, sun glitter, coastal calcareous reefs
633	Mexico, Yucatan, Yucatan Straits, Cuba	Coastal sediments, coastal deposits, cloud lines, calcareous reefs

In Sequence: 101-102, 126-127, 193-195, 220-224, 258-260, 509-510



WEST INDIES

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
55	Camaguey, Cuba	Bénard cells, calcareous reefs
56	Camaguey, Cuba	Bénard cells, calcareous reefs
57	Cuba, Oriente Province, Guantanamo Bay	Bénard cells, calcareous reefs
86	Hispaniola	Cloud lines, Bénard cells, coastal sediments
121	Camaguey, Cuba, Grand Bahama Bank	Calcareous reefs, local winds
123	Cuba, Oriente Province, Jamaica, Hispaniola, Great Inagua	Cloud lines, calcareous reefs
145	Leeward Islands, Guadeloupe, Antigua, Marie Galante, Montserrat	Surf, cloud lines
163	Cuba, Oriente Province, Santiago, Guantanamo Bay	Sun glitter, coastal currents, cloud lines, coastal deposits
211	Cuba, Camaguey Province, Grand Bahama Bank	Coastal calcareous reefs,
212	Cuba, Camaguey Province, Jardin de la Reina Island	Local winds, coastal calcareous reefs
213	Hispaniola, Haiti	Irregular coastline, coastal sediments, cloud lines
214	Hispaniola, Haiti, Dominican Republic	Irregular coastline, coastal sediments, cloud lines
506	Cuba, La Habana, Pinar Del Rio, Matanzas, Las Villas, Florida Keys, Cay Sal Bank	Cloud lines, Bénard cells, coastal calcareous reefs
507	Cuba, La Habana, Matanzas, Las Villas, Camaguey, Isla Pinos, Bahia Cochinos	Cloud lines, Bénard cells, coastal calcareous reefs

<u>Slide</u>	<u>Geographic Location</u>	<u>Oceanographic Features</u>
508	Cuba, Old Bahama Channel, Great Bahama Bank	Cloud lines, Bénard cells, coastal calcareous reefs
509	Cuba, Honduras, Yucatan, Gulf of Honduras	Sun glitter, cloud lines, Bénard cells, coastal calcareous reefs
510	Cuba, Jamaica, Gulf of Honduras, Honduras	Sun glitter, cloud lines, Bénard cells, coastal calcareous reefs
511	Cuba, Jamaica	Sun glitter, cloud lines, Bénard cells, coastal calcareous reefs, currents
633	Cuba, Yucatan Straits, Yucatan, Mexico	Coastal sediments, coastal deposits, cloud lines, calcareous reefs

In Sequence: 55-57, 121-123, 211-214, 506-511

IV LISTING OF NASA/MSC COLOR AND  
BLACK & WHITE PHOTO NUMBERS



PHOTO NUMBERS LISTING

<u>SLIDE NO.</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>
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255	45966	46010
256	45967	46011
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<u>SLIDE NO.</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>
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<u>SLIDE NO.</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>
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345	54565	54499
346	54566	54500
347	54567	54501
348	54568	54502
349	54569	54503
350	54570	54504
351	54571	54505
355	54581	54515
359	54893	54850
360	54895	54852
361	54897	54854
362	54898	54855
363	54900	54857
364	54901	54858
365	54902	54859
366	54903	54860
367	54904	54861
368	54905	54862
369	54906	54863
370	54909	54866
371	54910	54867
372	54911	54868
373	54912	54869
374	54913	54870
375	54914	54871
376	54915	54872
377	54916	54873
378	54917	54874
379	54918	54875
380	54919	54876
381	54920	54877
382	54921	54878
383	54923	54880
384	54924	54881
385	54925	54882

<u>SLIDE NO.</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>
386	S66-54926	S66-54883
387	54927	54884
388	54928	54885
389	54929	54886
390	54930	54887
391	54764	54715
392	65765	54716
406	54779	54730
407	54780	54731
408	54781	54732
409	54782	54733
410	54783	54734
411	54784	54735
412	54785	54736
413	54786	54737
414	54787	54738
415	54788	54739
416	54789	54740
417	54790	54741
418	54791	54742
419	54792	54743
420	54793	54744
421	54794	54745
422	54795	54746
423	54796	54747
424	54797	54748
425	54798	54749
426	54799	54750
430	54806	54757
431	54807	54758
432	54808	54759
433	54809	54760
434	54810	54761
437	62940	63088
438	62941	63089
439	62942	63090
440	62943	63091
441	62953	63101
442	62954	63102
443	62955	63103
444	62956	63104

<u>SLIDE NO.</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>
445	S66-62974	S66-63122
446	62975	63123
447	62976	63124
448	62977	63125
449	62978	63126
450	62979	63127
452	62987	63135
453	62988	63136
454	62989	63137
455	62990	63138
457	62992	63140
458	62993	63141
460	63013	63161
461	63015	63163
462	63016	63164
465	63021	63169
466	63022	63170
467	63023	63171
468	63024	63172
469	63025	63173
470	63026	63174
471	63027	63175
472	63028	63176
473	63029	63177
474	63030	63178
475	63031	63179
476	63032	63180
477	63033	63181
478	63034	63182
479	63035	63183
480	63036	63184
481	63037	63185
482	63038	63186
483	63039	63187
484	63040	63188
485	63041	63189
486	63042	63190
487	63044	63192
488	63045	63193
489	63046	63194
490	63047	63195

<u>SLIDE NO.</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>
491	S66-63048	S66-63196
492	63049	63197
493	63050	63198
494	63051	63199
495	63052	63200
496	63053	63201
497	63054	63202
499	63057	63205
500	63058	63206
501	63059	63207
502	63060	63208
503	63061	63209
504	63062	63210
505	63063	63211
506	63064	63212
507	63065	63213
508	63066	63214
509	63067	63215
510	63068	63216
511	63069	63217
512	63070	63218
513	63071	63219
514	63072	63220
515	63078	63226
516	63079	63227
517	63080	63228
518	63081	63229
519	63082	63230
523	63414	63264
524	63415	63265
525	63417	63267
526	63418	63268
527	63419	63269
528	63420	63270
529	63421	63271
530	63422	63272
531	63423	63273
532	63424	63274
533	63425	63275
537	63429	63279
538	63430	63280

<u>SLIDE NO.</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>
539	S66-63431	S66-63281
540	63432	63282
541	63433	63283
542	63434	63284
543	63438	63288
544	63439	63289
545	63440	63290
546	63441	63291
547	63443	63293
548	63444	63294
549	63445	63295
550	63446	63296
554	63477	63327
555	63478	63328
556	63479	63329
557	63480	63330
558	63481	63331
559	63482	63332
560	63483	63333
561	63484	63334
562	63485	63335
563	63486	63336
564	63492	63342
565	63493	63343
566	63494	63344
567	63495	63345
570	63498	63348
571	63499	63349
572	63500	63350
573	63501	63351
574	63502	63352
575	63503	63353
576	63504	63354
577	63505	63355
578	63506	63356
579	63513	63363
580	63514	63364
581	63515	63365
582	63516	63366
583	63517	63367
584	63518	63368



<u>SLIDE NO.</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>
585	S66-63519	S66-63369
586	63520	63370
587	63521	63371
591	63533	63383
592	63534	63384
593	63535	63385
602	62785	62737
603	62786	62738
604	62787	62739
605	62788	62740
606	62789	62741
607	62790	62742
608	62791	62743
609	62792	62744
613	62868	62798
614	62869	62799
615	62870	62800
616	62871	62801
617	62872	62802
618	62876	62806
619	62877	62807
620	62878	62808
621	62880	62810
622	62881	62811
623	62882	62812
624	62883	62813
625	62884	62814
626	62885	62815
627	62886	62816
632	62891	62821
633	62892	62822
634	62893	62823
635	62894	62824
636	62895	62825
637	62896	62826
638	62897	62827
639	62898	62828
640	62899	62829
641	62900	62830
642	62901	62831
643	62902	62832

<u>SLIDE NO.</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>
644	S66-62903	S66-62833
645	62904	62834
646	62905	62835
647	62906	62836
648	62907	62837
649	62908	62838
650	62909	62839
651	62910	62840
658	62933	62863
659	62934	62964
660	62935	62865
661	62936	62866
667	S65-34672	S65-32909
668	34673	32910
669	34674	32911
670	34675	32904
675	34714	32871
676	34715	32864
677	34716	32865
678	34717	32866
679	34724	32858
680	34795	32823
685	45615	45313
686	45616	45314
687	45576	45521
688	45674	45432
689	45675	45433
692	45791	45426
696	S66-38441	S66-38378
697	38442	38379
698	38452	38389
699	38454	38391
700	38455	38392
701	54550	54484
702	54551	54485
703	54552	54486
704	54553	54487
705	54556	54490



